

Work Category

:

PC1

PC1 04

PC1041100

Chemical

Customized Chemical

Production Chemical

Work Category's Description

:

To formulate, manufacture, supply and provision of associated services for customized production chemicals (e.g. Pour Point Depressant,

Mode of Operation

:

Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
						1. DOSH-Permit to operate as Chemical Manufacturer 2. Business License from Local Authority 3. Kementerian Perdagangan - Akta Timbang dan Sukat	

Work Category

:

PC1
PC1 04
PC1041200

Chemical
Customized Chemical
Integrity Chemical

Work Category's Description

:

To formulate, manufacture, supply and provision of associated services for customized integrity chemicals (e.g.CI, Biocide and etc)

Mode of Operation

:

Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
						1. DOSH-Permit to operate as Chemical Manufacturer 2. Business License from Local Authority 3. Kementerian Perdagangan - Akta Timbang dan Sukat	

Work Category	:	PC1 PC1 04 PC1041300	Chemical Customized Chemical Customized Boiler Treatment Chemical
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Work Category's Description : To formulate, manufacture, supply and provision of associated services for customized Boiler Treatment chemicals (e.g. Oxygen Scavenger, Neutralizing Amine, phosphate, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of boiler water treatment program in Oil & Gas industry		

Work Category	:	PC1 PC1 04 PC1041300	Chemical Customized Chemical Customized Boiler Treatment Chemical
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Work Category's Description : To formulate, manufacture, supply and provision of associated services for customized Boiler Treatment chemicals (e.g. Oxygen Scavenger, Neutralizing Amine, phosphate, etc.)

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Advisor	Min Degree in Chemistry/Applied Chemistry/Industrial Chemistry	Minimum of 15 years experience in Water Treatment in Oil & Gas industry	1. Blending Plant 2. Operational Laboratory 3. Collaboration with R&D Laboratory 4. Warehouse with stacking	1. Blending Plant: Minimum 2 units of Blending unit with minimum capacity of 2000L each (2X2000L). 2. Operational Laboratory: all equipments used to conduct all water and waste water analysis.(e.g. conductivity, TOC and etc)		1. Business License from Local Authority	
Chemist	Min Degree in Chemistry/Applied Chemistry/Industrial Chemistry / Chemical Engineering	Minimum of 7 years experience in Oil & Gas Chemical Analytical Testing					
Project Engineer	Degree in any engineering discipline	Minimum of 5 years experience in Water Treatment in Oil & Gas industry					
Field Engineer	Min Degree in Chemistry/Applied Chemistry/Industrial Chemistry / Chemical Engineering	Minimum of 3 years experience in Water Treatment in Oil & Gas industry					
Site Supervisor	Diploma in any field of engineering	Minimum of 3 years experience in Water Treatment in Oil & Gas industry					

Work Category	:	PC1 PC1 04 PC1041400	Chemical Customized Chemical Customized Cooling Treatment Chemical
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Work Category's Description	:	To formulate, manufacture, supply and provision of associated services for Customized Cooling Water Treatment Chemical (e.g. Anti Scalant, biocides, corrosion inhibitor and etc)
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Mode of Operation	:	Agent
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MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of cooling water treatment program in Oil & Gas industry		

Work Category

:

PC1

PC1 04

PC1041400

Chemical

Customized Chemical

Customized Cooling Treatment Chemical

Work Category's Description

:

To formulate, manufacture, supply and provision of associated services for Customized Cooling Water Treatment Chemical (e.g. Anti Scalant, biocides, corrosion inhibitor and etc)

Mode of Operation

:

Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
						1. DOSH-Permit to operate as Chemical Manufacturer 2. Business License from Local Authority	

Work Category

:

PC1
PC1 09
PC1090200

Chemical
Common Chemicals
Water Injection Module

Work Category's Description

:

To supply, deliver and provision of associated services for of water injection module chemicals (e.g. CI, Biocide, Polyelectrolyte and etc)

Mode of Operation

:

Agent

Key Personnel			Facilities in Malaysia E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience					
					Principal to have min of 10 years in formulate, manufacture, supply and provision of associated services in Integrity Chemicals for Oil & Gas		

Work Category

:

PC1
PC1 09
PC1090300

Chemical
Common Chemicals
Blended Chemicals

Work Category's Description

:

To supply and provision of associated services for Blended Chemicals (e.g. H2S Scavenger, Pour Point Depressant, Anti Foam and etc)

Mode of Operation

:

Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience					
					Principal to have min of 10 years in formulate, manufacture, supply and provision of associated services in Chemicals for Oil & Gas		

Work Category

:

PC1

PC1 53

PC1530200

Chemical

Process Media

Ion Exchange Resin

Work Category's Description

:

To supply and provision of associated support services for Ion Exchange Resin

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 10 proven track record in the field of Ion Exchange Resin		

Work Category

:

PC1

PC1 53

PC1530300

Chemical

Process Media

Activated Carbon, Fibre and Cloth

Work Category's Description

:

To supply, deliver and provision of associated support services for Activated Carbon, Fibre and Cloth

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 10 proven track record in the field of Activated Carbon, sand and gravel		

Work Category

:

PC1
PC1540000

CHEMICALS
Additives

Work Category's Description

:

Supply and delivery of additives (i.e. gasoline & diesel additives, etc.)

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years in formulating, manufacturing, supply and provision of associated services of additives for Oil & Gas		

Work Category	:	PD1 PD103 PD1030100	DRILLING EQUIPMENT AND MATERIALS Wellhead Subsea
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Work Category’s Description : To design, manufacture, test, assemble, supply, deliver, install, hookup, commission subsea wellhead and conduct training on installation & operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in wellhead installation with 5 years in subsea wellhead operation	Manufacturing Facilities in Malaysia	Relevant CNC and boring machines, milling equipments		DOSH – JKJ112	1.API 17D monogram
Subsea wellhead Supervisor	Diploma in Engineering	Minimum 10 years experience in wellhead installation with 5 years in subsea wellhead operation					

Work Category	:	PD1 PD103 PD1030200	DRILLING EQUIPMENT AND MATERIALS Wellhead Surface
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Work Category’s Description : To design, Assemble, Supply, Deliver, Install, Test Surface Wellhead And Conduct Training On Operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in wellhead and christmas tree installation with 5 years in surface wellhead operation	Manufacturing Facilities in Malaysia	Relevant CNC and boring machines, milling equipments		DOSH – JKJ112	1.API 6A monogram
Wellhead Supervisor	Diploma in Engineering	Minimum 10 years experience in wellhead and christmas tree installation with 5 years in surface wellhead operation					

Work Category

:

PE1

PE1 01

PE1010300

ELECTRICAL

Power Supply System

Industrial UPS - Static Type

Work Category's Description

:

To design, assemble, supply, deliver, install, hook-up, test, commission Industrial UPS - Static Type and conduct training on operation

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of UPS		

Work Category	:	PE1	ELECTRICAL
		PE1 01	Power Supply System
		PE1010300	Industrial UPS - Static Type

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Industrial UPS - Static Type and conduct training on operation

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in UPS production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in UPS design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PE1	ELECTRICAL
		PE1 01	Power Supply System
		PE1010300	Industrial UPS - Static Type

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Industrial UPS - Static Type and conduct training on operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in UPS production	1. Manned and permanent office setup 2. Manufacturing facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in UPS installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS design					

Work Category	:	PE1	ELECTRICAL
		PE1 01	Power Supply System
		PE1010600	Solar Power Supply

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Solar Power Supply and conduct training on operation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of Solar Power Supply		

Work Category : **PE1** **ELECTRICAL**
PE1 01 **Power Supply System**
PE1010600 **Solar Power Supply**

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Solar Power Supply and conduct training on operation

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in Solar Power Supply production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in Solar Power Supply installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in Solar Power Supply design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 01 **Power Supply System**
PE1010600 **Solar Power Supply**

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Solar Power Supply and conduct training on operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in Solar Power Supply production	1. Manned and permanent office setup 2. Manufacturing facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in Solar Power Supply installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in Solar Power Supply design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in Solar Power Supply design					

Work Category	:	PE1 PE1 01 PE1010700	ELECTRICAL Power Supply System UPS - Modular Type
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Work Category's Description	:	To design, assemble, supply, deliver, install, hook-up, test, commission UPS Modular Type and conduct training on operation
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Mode of Operation	:	Agent
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MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Prinicpal to have minimum 5 years experience in design, engineering and assembly of UPS		

Work Category	:	PE1	ELECTRICAL
		PE1 01	Power Supply System
		PE1010700	UPS - Modular Type

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission UPS Modular Type and conduct training on operation

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in UPS production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in UPS design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 01 **Power Supply System**
PE1010700 **UPS - Modular Type**

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission UPS Modular Type and conduct training on operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in UPS production	1. Manned and permanent office setup 2. Manufacturing facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator 7. Load Bank 8. Manufacturing Software for Configuration & Diagnostic		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in UPS installation, commission and troubleshoot.					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in UPS design					

Work Category

:

PE1

PE1 03

PE1031000

ELECTRICAL

Cables

Subsea Cable

Work Category's Description

:

To design, assemble, supply, deliver, install, hook-up, test, commission Subsea Cable and conduct training on operation

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in subsea cable manufacturing		

Work Category	:	PE1	ELECTRICAL
		PE1 03	Cables
		PE1031000	Subsea Cable

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Subsea Cable and conduct training on operation

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in subsea cable production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. Access to cable laying barge	1. Insulation Resistance Tester 2. Clamp Meter 3. AC/DC Current Probe 4. Fault Cable Locater 5. Electrical High Pressure Tester		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in subsea cable installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in subsea cable design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PE1	ELECTRICAL
		PE1 03	Cables
		PE1031000	Subsea Cable

Work Category's Description : To design, assemble, supply, deliver, install, hook-up, test, commission Subsea Cable and conduct training on operation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in subsea cable production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility 5. Access to cable laying barge	1. Insulation Resistance Tester 2. Clamp Meter 3. AC/DC Current Probe 4. Fault Cable Locater 5. Electrical High Pressure Tester		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in subsea cable installation, commission and troubleshoot.					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in subsea cable design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in subsea cable design					

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140100	Low Voltage Switchboard / Switchgear / MCC / Air Circuit Breaker (ACB) / Busbar

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of low voltage switchboard / switchgear / MCC / ACB / Busbar / air break contactors

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in LV switchgear production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in LV switchgear installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in LV switchgear design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140100	Low Voltage Switchboard / Switchgear / MCC / Air Circuit Breaker (ACB) / Busbar

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of low voltage switchboard / switchgear / MCC / ACB / Busbar / air break contactors

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in LV switchgear production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator			
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in LV switchgear installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in LV switchgear design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in LV switchgear design					

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140300	High Voltage Switchboard / Switchgear / Vacuum Circuit Breaker (VCB) / Vacuum Contactor Unit (VCU) / Contactor / Busbar

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of high voltage switchboard / switchgear / VCB / VCU / Contactor / Busbar

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of HV switchgear		

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140300	High Voltage Switchboard / Switchgear / Vacuum Circuit Breaker (VCB) / Vacuum Contactor Unit (VCU) / Contactor / Busbar

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of high voltage switchboard / switchgear / VCB / VCU / Contactor / Busbar

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in HV switchgear production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in HV switchgear installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience in HV switchgear design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 14 **Switchboards, Switchgears & Motor Control Centres (MCC)**
PE1140300 **High Voltage Switchboard / Switchgear / Vacuum Circuit Breaker (VCB) / Vacuum Contactor Unit (VCU) / Contactor / Busbar**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of high voltage switchboard / switchgear / VCB / VCU / Contactor / Busbar

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in HV switchgear production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in HV switchgear installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in HV switchgear design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in HV switchgear design					

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140700	Containerized Substation

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Containerized Substation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of containerized substation		

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140700	Containerized Substation

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Containerized Substation

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience containerized substation production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in containerized substation installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience containerized substation design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PE1	ELECTRICAL
		PE1 14	Switchboards, Switchgears & Motor Control Centres (MCC)
		PE1140700	Containerized Substation

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Containerized Substation

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in containerized substation production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Micro Ohm Meter 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in containerized substation installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in containerized substation design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in containerized substation design					

Work Category	:	PE1	ELECTRICAL
		PE1 15	Transformers
		PE1150100	Cast Resin Dry Type

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of cast resin dry type transformers

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of cast resin dry type transformer		

Work Category : **PE1** **ELECTRICAL**
PE1 15 **Transformers**
PE1150100 **Cast Resin Dry Type**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of cast resin dry type transformers

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience cast resin dry type transformer production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. AC/DC Current Probe 5. Voltage Regulator 6. Transformer turn ratio test set		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in cast resin dry type transformer installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience cast resin dry type transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 15 **Transformers**
PE1150100 **Cast Resin Dry Type**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of cast resin dry type transformers

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in cast resin dry type transformer production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. AC/DC Current Probe 5. Voltage Regulator 6. Transformer turn ratio test set		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in cast resin dry type transformer installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in cast resin dry type transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in cast resin dry type transformer design					

Work Category	:	PE1	ELECTRICAL
		PE1 15	Transformers
		PE1150200	Oil Immersion Type

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of oil immersion type transformers

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 3 years experience in engineering (shop drawing) and assembly of oil immersion type transformer		

Work Category : **PE1** **ELECTRICAL**
PE1 15 **Transformers**
PE1150200 **Oil Immersion Type**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of oil immersion type transformers

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience oil immersion type transformer production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. AC/DC Current Probe 5. Voltage Regulator 6. Transformer turn ratio test set		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in oil immersion type transformer installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience oil immersion type transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 15 **Transformers**
PE1150200 **Oil Immersion Type**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of oil immersion type transformers

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in oil immersion type transformer production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. AC/DC Current Probe 5. Voltage Regulator 6. Transformer turn ratio test set		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in oil immersion type transformer installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in oil immersion type transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in oil immersion type transformer design					

Work Category	:	PE1	ELECTRICAL
		PE1210000	Telecontrol & Substation Automation System

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Telecontrol & Substation Automation System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of telecontrol & substation automation system		

Work Category : **PE1 PE1210000 ELECTRICAL**
Telecontrol & Substation Automation System

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Telecontrol & Substation Automation System

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience telecontrol & substation automation system system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in telecontrol & substation automation system installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience telecontrol & substation automation system system design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1 ELECTRICAL**
PE1210000 Telecontrol & Substation Automation System

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Telecontrol & Substation Automation System

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in telecontrol & substation automation system system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in telecontrol & substation automation system system installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in telecontrol & substation automation system system transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in telecontrol & substation automation system system design					

Work Category	:	PE1	ELECTRICAL
		PE1220000	Variable Speed Drives and Soft Starter

Work Category's Description : To design, supply, deliver, install, hook up, test, commission and personnel training of VSD & Soft Starter System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of VSD and soft starter system		

Work Category : **PE1** **ELECTRICAL**
PE1220000 **Variable Speed Drives and Soft Starter**

Work Category's Description : To design, supply, deliver, install, hook up, test, commission and personnel training of VSD & Soft Starter System

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience VSD and soft starter system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in VSD and soft starter system installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience VSD and soft starter system design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1220000 **Variable Speed Drives and Soft Starter**

Work Category's Description : To design, supply, deliver, install, hook up, test, commission and personnel training of VSD & Soft Starter System

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in VSD and soft starter system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Scope Meter 3. Insulation Resistance Tester 4. Clamp Meter 5. AC/DC Current Probe 6. Voltage Regulator		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in VSD and soft starter system installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in VSD and soft starter system transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in VSD and soft starter system design					

Work Category

:

PE1

PE1 24

PE1240200

ELECTRICAL

Generators

Gas Engine Driven Generator

Work Category's Description

:

To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Gas Engine Driven Generator

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of gas engine driven generator		

Work Category : **PE1** **ELECTRICAL**
PE1 24 **Generators**
PE1240200 **Gas Engine Driven Generator**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Gas Engine Driven Generator

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience gas engine driven generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in gas engine driven generator installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience gas engine driven generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 24 **Generators**
PE1240200 **Gas Engine Driven Generator**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Gas Engine Driven Generator

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in gas engine driven generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in gas engine driven generator installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in gas engine driven generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in gas engine driven generator design					

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240300	Diesel Engine Driven Generator

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Diesel Engine Driven Generator

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of diesel engine driven generator		

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240300	Diesel Engine Driven Generator

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Diesel Engine Driven Generator

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience diesel engine driven generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in diesel engine driven generator installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience diesel engine driven generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 24 **Generators**
PE1240300 **Diesel Engine Driven Generator**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Diesel Engine Driven Generator

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in diesel engine driven generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in diesel engine driven generator installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in diesel engine driven generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in diesel engine driven generator design					

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240500	Micro Turbine Generator

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Micro Turbine Generator

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of micro turbine generator		

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240500	Micro Turbine Generator

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Micro Turbine Generator

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience micro turbine generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in micro turbine generator installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience micro turbine generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PE1** **ELECTRICAL**
PE1 24 **Generators**
PE1240500 **Micro Turbine Generator**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Micro Turbine Generator

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in micro turbine generator production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in micro turbine generator installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in micro turbine generator design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in micro turbine generator design					

Work Category

:

PE1

PE1 24

PE1240700

ELECTRICAL

Generators

Closed Cycle Vapour Turbogenerator (CCVT)

Work Category's Description

:

To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Closed Cycle Vapour Turbogenerator (CCVT)

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in design, engineering and assembly of CCVT		

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240700	Closed Cycle Vapour Turbogenerator (CCVT)

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Closed Cycle Vapour Turbogenerator (CCVT)

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience CCVT production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in CCVT installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience CCVT design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PE1	ELECTRICAL
		PE1 24	Generators
		PE1240700	Closed Cycle Vapour Turbogenerator (CCVT)

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Closed Cycle Vapour Turbogenerator (CCVT)

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in CCVT production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Multi Tester 2. Insulation Resistance Tester 3. Clamp Meter 4. Vibration Meter 5. AC/DC Current Probe 6. Tachometer 7. Temperature Measurement Device		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in CCVT installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in CCVT design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in CCVT design					

Work Category	:	PI1	INSTRUMENTATION
		PI1 02	Actuators
		PI1 02 03	Electric Type
		PI1020301	MOV

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Electric Actuator of an MOV system with its control system

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer / Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 3 years experience in MOV and its control system, trained and certified from Principal					
Technician / Electrician	Certificate in Electrical field	Minimum 5 years experience in MOV and its control system		1. Special tools required for MOVs e.g. Hand programming tool 2. Multi Tester 3. Relevant Software & PC/laptop for communication check			

Work Category	:	PI1	INSTRUMENTATION
		PI1 02	Actuators
		PI1 02 03	Electric Type
		PI1020301	MOV

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Electric Actuator of an MOV system with its control system

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience MOV and its control system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility	1. Special tools required for MOVs e.g. Hand programming tool 2. Multi Tester 3. Relevant Software & PC/laptop for communication check		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 5 years experience in MOV and its control system installation, commission and troubleshoot. Trained and certified by Principal					
Design Engineer	Degree in Electrical Engineering	Minimum 3 years experience MOV and its control system design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PI1	INSTRUMENTATION
		PI1 02	Actuators
		PI1 02 03	Electric Type
		PI1020301	MOV

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Electric Actuator of an MOV system with its control system

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience MOV and its control system production	1. Manned and permanent office setup 2. Assembling facility 3. Testing facility 4. R&D facility	1. Special tools required for MOVs e.g. Hand programming tool 2. Multi Tester 3. Relevant Software & PC/laptop for communication check		1. Business License from Local Authority 2. DOSH - JKJ112	
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Service Engineer	Degree in Electrical Engineering	Minimum 10 years experience in MOV and its control system installation, commission and troubleshoot					
Design Engineer	Degree in Electrical Engineering	Minimum 5 years experience in MOV and its control system transformer design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R&D Engineer	Degree in Electrical Engineering	Minimum 5 years experience in MOV and its control system design					

Work Category	:	PI1	INSTRUMENTATION
		PI1 01	Emergency Shutdown System (ESD)
		PI1010100	Safety Programmable Logic Controller

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Safety Programmable Logic Controller TUV Rhineland certified and tested to IEC 61508

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G solid state safety system related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 01	Emergency Shutdown System (ESD)
		PI1010300	Solid State

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of solid state shutdown system

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G solid state safety system related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 01	Emergency Shutdown System (ESD)
		PI1010400	Pneumatic

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Pneumatic Shutdown System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G pneumatic shutdown system related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 01	Emergency Shutdown System (ESD)
		PI1010500	Electro-Mechanical Relay

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of electro mechanical relay shut down system

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Electro Mechanical Relay ESD related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 02	Actuators
		PI1020100	Pneumatic Type

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of electro mechanical relay shut

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Pneumatic Actuators related works		

Work Category	:	PI1 PI1 02 PI1020200	INSTRUMENTATION Actuators Hydraulic Type
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Work Category’s Description : To design, engineer, assemble, supply, deliver, install, hook up and test Hydraulic Type Actuator

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Hydraulic Actuators related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 02	Actuators
		PI1 02 03	Electric Type
		PI1020302	Solenoid

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up and test Electric Type Actuator

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Electric Actuators related works		

Work Category	:	PI1 PI1 03 PI1030200	INSTRUMENTATION Weighing and Measuring Metering and Sales System Gas Metering
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Gas Metering - Custody Transfer/ Fiscal Allocation System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Gas Metering - Custody Transfer/ Fiscal Allocation System related works		

Work Category	:	PI1 PI1 03 PI1030500	INSTRUMENTATION Weighing and Measuring Metering and Sales System Multiphase Metering
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Multiphase Metering including wet gas metering

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Multiphase Metering related works		

Work Category	:	PI1 PI1 03 PI1030600	INSTRUMENTATION Weighing and Measuring Metering and Sales System Tank Gauge
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Work Category’s Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Tank Gauge

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Tank Gauge related works		

Work Category	:	PI1 PI1 03 PI1030700	INSTRUMENTATION Weighing and Measuring Metering and Sales System Weighing Machine Equipment
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Weighing Machine Equipment

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in industrial Weighing Machine Equipment related works		

Work Category : **PI1** **INSTRUMENTATION**
PI1 04 **Controllers**
PI1040100 **Electronic Type**

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and provide training of Electronic Type controllers (e.g. Single Loop Controller, Anti Surge Controller, Governor Controller, Turbine Controller, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Instrumentation & Control related works		

Work Category	:	PI1 PI1 04 PI1040200	INSTRUMENTATION Controllers Pneumatic Type
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Work Category’s Description : To supply and deliver Pneumatic Controllers

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience inO&G Pneumatic Controllers related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 04	Controllers
		PI1040300	Programmable Logic Type

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of General PLC (non safety type)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G PLC related works		

Work Category	:	PI1 PI1 06 PI1060200	INSTRUMENTATION Control Panels Instrument Control Panel
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Instrument Control Panel

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Instrument Control Panel related works		

Work Category	:	PI1 PI1 06 PI1060200	INSTRUMENTATION Control Panels Instrument Control Panel
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Instrument Control Panel

Mode of Operation : System Integrator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any Engineering field	Minimum 5 years experience in Instrument Control Panel production	1.Office setup 2.Assembling facility 3.Testing facility 4.Staging Area 5.Training Facility	1.Lifting equipment 2.Computer Aided Design (CAD) software 3.Emulator/ Simulator for logic testing & configuration 4.Multi Meter 5.Hand tools		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	
Project /Field Service Engineer	Degree in any Engineering field and trained & certified from Principal	Minimum 3 years experience in Instrument Control Panel & Sub System Integration, configuration and troubleshooting					
System Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Instrument Control Panel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PI1 PI1 06 PI1060200	INSTRUMENTATION Control Panels Instrument Control Panel
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Instrument Control Panel

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field	Minimum 5 years experience in Instrument Control Panel production	1.Office setup 2.Manufacturing facility 3.Testing facility 4.Training Facility	1.Heavy lifting equipment 2.Computerized Numerical Control Machineries 3.Milling Machines 4.Test Equipment 5.Programmable Logic & Hydraulic Test Equipments 6.Computer Aided Design (CAD) software		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	
Project /Field Service Engineer	Degree in any Engineering field and trained & certified from Principal	Minimum 3 years experience in Instrument Control Panel selection and servicing , trained and certified from Principal					
Design Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Instrument Control Panel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R& D Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Instrument Control Panel design					

Work Category	:	PI1	INSTRUMENTATION
		PI1 06	Control Panels
		PI1060300	Annunciator/Master Shutdown Panel

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Annunciator/Master Shutdown Panel

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Annunciator/ Master Shutdown Panel related works		

Work Category	:	PI1 PI1 06 PI1060300	INSTRUMENTATION Control Panels Annunciator/Master Shutdown Panel
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Annunciator/Master Shutdown Panel

Mode of Operation : System Integrator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any Engineering field	Minimum 5 years experience in Annunciator/Master Shutdown Panel production	1.Office setup 2.Assembling facility 3.Testing facility 4.Staging Area 5.Training Facility	1.Lifting equipment 2.Computer Aided Design (CAD) software 3.Pneumatic Simulator for logic testing & configuration 4.Multi Meter 5.Hand tools 6.Calibrators		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	
Project /Field Service Engineer	Degree in any Engineering field and trained & certified from Principal	Minimum 3 years experience in Annunciator/Master Shutdown Panel & Sub System Integration, configuration and troubleshooting					
System Engineer	Degree in any Engineering and trained & certified from Principal and trained & certified from Principal	Minimum 5 years experience in Annunciator/Master Shutdown Panel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PI1	INSTRUMENTATION
		PI1 06	Control Panels
		PI1060300	Annunciator/Master Shutdown Panel

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Annunciator/Master Shutdown Panel

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in any Engineering field Degree in any Engineering field and trained & certified from Principal	Minimum 5 years experience in Annunciator/ Master Shutdown Panel Minimum 3 years experience in Annunciator/ Master Shutdown Panel selection and servicing , trained and certified from Principal	1.Office setup 2.Manufacturing facility 3.Testing facility 4.Training Facility	1.Heavy lifting equipment 2.Computerized Numerical Control Machineries 3.Milling Machines 4.Test Equipment 5.Programmable Logic & Hydraulic Test Equipments 6.Computer Aided Design (CAD) software		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	
Project /Field Service Engineer	Degree in any Engineering field and trained & certified from Principal	Minimum 3 years experience in Annunciator/ Master Shutdown Panel selection and servicing , trained and certified from Principal					
Design Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Annunciator/ Master Shutdown Panel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					
R& D Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Annunciator/ Master Shutdown Panel design					

Work Category	:	PI1 PI1 07 PI1070100	INSTRUMENTATION Flow Instruments Orifice Bodies (Fittings, Flanges, Plates)
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Work Category's Description : To design, engineer, procure, supply and deliver orifice Bodies (Fittings, Flanges, Plates)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G orifice Bodies related works		

Work Category	:	PI1 PI1 07 PI1070400	INSTRUMENTATION Flow Instruments Rotameter
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Work Category’s Description : To design, engineer, procure, supply, deliver and test Rotameter

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Rotameter related works		

Work Category	:	PI1 PI1 07 PI1070500	INSTRUMENTATION Flow Instruments Positive Displacement Flow Meter
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Work Category’s Description : To design, engineer, procure, supply, deliver and test Positive Displacement Flow Meter

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Positive Displacement Flow Meter related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1070600	Flow Computers

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Flow Computers

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Flow Computers related works		

Work Category	:	PI1 PI1 07 PI1070700	INSTRUMENTATION Flow Instruments Turbine Flowmeters
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Work Category’s Description : To design, engineer, procure, supply, deliver and test Turbine Flowmeters

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Turbine Flowmeters related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1070900	Venturi Tube

Work Category’s Description : To design, engineer, procure, supply and deliver Venturi Tube

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Venturi Tube related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1071200	Other Flow Instrument

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Other Flow Instruments (e.g. Target Meter, non-conventional flow meter, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Instrument & Control related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1071300	Ultrasonic Type

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Ultrasonic Type Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Ultrasonic Type flow instruments related works		

Work Category	:	PI1 PI1 07 PI1071400	INSTRUMENTATION Flow Instruments Coriolis
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Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Coriolis Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Coriolis flow instruments related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1071500	Magnetic

Work Category’s Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Magnetic Type Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Magnetic Type flow instruments related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1071600	Vortex

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Vortex Type Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Vortex Type flow instruments related works		

Work Category	:	PI1 PI1 07 PI1071700	INSTRUMENTATION Flow Instruments Pitot / Annubar
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Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Pitot / Annubar Type Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Pitot / Annubar type flow instruments related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1071800	Cone Meter

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Cone Meter Flow Instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Cone Meter flow instruments related works		

Work Category	:	PI1 PI1 07 PI1071900	INSTRUMENTATION Flow Instruments Electronic Flow Recorder
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Work Category’s Description : To supply and deliver Electronic Flow Recorder

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Electronic Flow Recorder related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1072000	Thermal Mass Flow Meter

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Thermal Mass Flow Meter

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Thermal Mass Flow Meter related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1072100	Flow Transmitter

Work Category's Description : To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Flow Transmitter

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Flow Transmitter related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 07	Flow Instruments
		PI1072200	Flow Nozzle

Work Category’s Description : To design, engineer, procure, supply and deliver flow nozzle

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G for Flow Nozzle related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 08	Level Instrument
		PI1080100	Level Gauges / Glasses & Cocks

Work Category's Description : To design, engineer, procure, assemble, supply and deliver of Level Gauges/Glasses & Cocks including magnetic type

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Level Gauges/Glasses & Cocks related works		

Work Category	:	PI1 PI1 08 PI1080200	INSTRUMENTATION Level Instrument Float Operated Type
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Work Category's Description : To design, engineer, procure, assemble, supply and deliver float operated type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Float Operated Type level instruments related works		

Work Category	:	PI1 PI1 08 PI1080300	INSTRUMENTATION Level Instrument Displacement Type
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of displacement type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Displacement Type level instruments related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 08	Level Instrument
		PI1080400	Differential Pressure Type

Work Category's Description : To design, engineer, procure, assemble, supply, deliver differential pressure type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Differential Pressure Type level instruments related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 08	Level Instrument
		PI1080500	Capacitance / Resistance Type

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of capacitance / resistance type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Capacitance / Resistance Type level instruments related works		

Work Category	:	PI1 PI1 08 PI1080600	INSTRUMENTATION Level Instrument Ultrasonic Type
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of ultrasonic type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Ultrasonic Type level instruments related works		

Work Category	:	PI1 PI1 08 PI1080700	INSTRUMENTATION Level Instrument Radar Type
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of radar type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Radar Type level instruments related works		

Work Category : **PI1** **INSTRUMENTATION**
PI1 08 **Level Instrument**
PI1080800 **Nucleonic Type**

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of nucleonic type level instruments

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G nucleonic instrument type related works	AELB Class D, E & F or AELB Class A	1.Radiation Safety Management System

Work Category	:	PI1	INSTRUMENTATION
		PI1 08	Level Instrument
		PI1081100	Tuning Fork

Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Tuning Fork

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G of Tuning Fork related works		

Work Category	:	PI1 PI1 09 PI1090500	INSTRUMENTATION Monitoring Equipment Machinery Condition Monitoring System
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Machinery Condition Monitoring System inclusive of probes, cables and transducers

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Machinery Condition Monitoring System related works		

Work Category	:	PI1 PI1100000	INSTRUMENTATION Sampling System
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Work Category's Description : To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission Sampling System for metering and manual sampling including multiphase sampler

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Sampling System related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 11	Pure Instruments
		PI1110100	Pressure/DP Transmitter

Work Category's Description : To supply and deliver Electronic / Pneumatic Pressure / DP Transmitter, inclusive conventional, HART and/or fieldbus, wireless

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Pressure/DP Transmitter related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 12	Temperature Instruments
		PI1120100	Temperature Transmitter

Work Category's Description : To supply and deliver Electronic / Pneumatic Pressure / DP Transmitter, inclusive conventional, HART and/or fieldbus, wireless

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Temperature Transmitters related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 12	Temperature Instruments
		PI1120300	Thermowells

Work Category's Description : To design, engineer, procure, supply and deliver Thermowells

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Thermowells related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 12	Temperature Instruments
		PI1120500	Temperature Sensor / Element

Work Category's Description : To design, engineer, procure, supply and deliver Temperature Sensor / Element (Thermocouple/ RTD/ others)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Temperature Sensor / Element related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 13	Process Control & Monitoring System
		PI1130100	Distributed Control System (DCS)

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Distributed Control System (DCS)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G DCS related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 13	Process Control & Monitoring System
		PI1130200	SCADA System / Telemetry

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of SCADA System/Telemetry

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G SCADA System/Telemetry related works		

Work Category	:	PI1 PI1 14 PI1140100	INSTRUMENTATION Valves and Accessories Solenoid Valves
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Work Category’s Description : To supply and deliver Solenoid Valves

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Solenoid Valves related works		

Work Category	:	PI1 PI1 14 PI1140200	INSTRUMENTATION Valves and Accessories Control Valves
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Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Control Valves

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Control Valves related works		

Work Category	:	PI1 PI1 14 PI1140400	INSTRUMENTATION Valves and Accessories Valve Positioner
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Work Category’s Description : To supply and deliver Valve Positioners

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Valve Positioners related works		

Work Category	:	PI1 PI1 14 PI1140500	INSTRUMENTATION Valves and Accessories Process Regulators
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Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission Process Regulators/Self Regulating Valve

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Process Regulators/Self Regulating Valve related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 14	Valves and Accessories
		PI1140600	Valve Accessories and Ancillaries

Work Category's Description : To supply and deliver Valve Accessories and Ancillaries

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Solenoid Valves related works		

Work Category	:	PI1 PI1 14 PI1140700	INSTRUMENTATION Valves and Accessories Thermostatic Valves
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Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission of Thermostatic Valves

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Thermostatic Valves related works		

Work Category	:	PI1 PI1 14 PI1140800	INSTRUMENTATION Valves and Accessories Actuated On/Off Valves
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Work Category's Description : To design, engineer, supply, deliver, install, hook up, integrate, test and commission of complete assembly of Actuated On/Off Valves

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Actuated On/Off Valves related works		

Work Category	:	PI1 PI1 15 PI1150100	INSTRUMENTATION Instrument Tubings / Accessories Tubings
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Work Category’s Description : To supply and deliver Instrument Tubings

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Tubings related works		

Work Category	:	PI1 PI1 15 PI1150200	INSTRUMENTATION Instrument Tubings / Accessories Fittings
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Work Category’s Description : To supply and deliver Instrument Fittings

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Fittings related works		

Work Category	:	PI1	INSTRUMENTATION
		PI1 15	Instrument Tubings / Accessories
		PI1150300	Instrument Valves and Manifolds

Work Category's Description : To supply and deliver Instrument Valves and Manifolds

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Instrument Valves and Manifolds related works		

Work Category	:	PL1 PL1 01 PL1010100	PIPES Seamless Carbon Steel Seamless Pipes
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Work Category's Description : Supply and delivery of carbon steel seamless pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1 PL1 01 PL1010200	PIPES Seamless Stainless Steel Seamless Pipes
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Work Category's Description : Supply and delivery of carbon steel seamless pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1	PIPES
		PL1 01	Seamless
		PL1010300	Duplex Stainless Steel Seamless Pipes

Work Category's Description : Supply and delivery of duplex stainless steel seamless pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1 PL1 01 PL1010700	PIPES Seamless Cupro Nickle Seamless Pipes
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Work Category's Description : Supply and delivery of cupro nickle seamless pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes	Manned and permanent office setup				
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1	PIPES
		PL1 01	Seamless
		PL1010800	Monel Seamless Pipes

Work Category's Description : Supply and delivery of monel seamless pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category : **PL1** **PIPES**
PL1040000 **Bends**

Work Category's Description : Supply and delivery of hot / induction bend

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of bends / pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of bends / pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of bends / pipes					

Work Category	:	PL1	PIPES
		PL1 05	Spiral Submerged Arc Welded (SSAW) Pipes
		PL1050100	Carbon Steel Pipes

Work Category's Description : Supply and delivery of carbon steel SSAW / HSAW pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1	PIPES
		PL1 06	Longitudinal Submerged Arc Welded (LSAW) Pipes
		PL1060100	Carbon Steel Pipes

Work Category's Description : Supply and delivery of carbon steel LSAW pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category	:	PL1	PIPES
		PL1 07	Electric Resistance Welded (ERW) Pipes
		PL1070100	Carbon Steel Pipes

Work Category's Description : Supply and delivery of carbon steel ERW pipes

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	Minimum 7 years experience in managing procurement of pipes					
Project Engineer	Degree in any Engineering field	Minimum 5 years experience in managing procurement of pipes					
Procurement Coordinator / Executive	Degree in any Engineering field	Minimum 3 years experience in procurement of pipes					

Work Category : **PH1 PH1070000 HEATING VENTILATION & AIR COND. (HVAC) EQUIPMENT**
Heating, Ventilating & Air Conditioning (HVAC) System

Work Category's Description : To design, supply, deliver, install, test, commission and conduct training on HVAC system.

Mode of Operation : Assembler

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical / Electrical Engineering Or Diploma in Mechanical / Electrical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD software 3. Access to cutting & bending machine 4. Access to testing facilities (e.g. smoke generator, pressure test for refrigeration piping, duct work & etc.)		1. Business License from local authority 2. DOSH – JKJ112 3. CIDB – M01	
Production Manager	Degree in any Engineering field Or Diploma in Mechanical / Electrical Engineering	Minimum 5 years experience in HVAC assembling Or Minimum 7 years in HVAC assembling					
Engineering Manager	Degree in Mechanical /Electrical Engineering	Minimum 5 years experience in HVAC design					
Design Engineer	Degree in Mechanical /Electrical Engineering	Minimum 3 years experience in HVAC design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 05	Marine System
		PM1 05 03	Single Point Mooring(SPM)
		PM1050301	Buoy

Work Category's Description : To design, manufacture, supply, install, and test Buoy at marine structure

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years proven track records of SPM Buoy supply and manufacturing		

Work Category	:	PM1	MECHANICAL
		PM1 05	Marine System
		PM1 05 03	Single Point Mooring(SPM)
		PM1050302	Hose System

Work Category's Description : To design, manufacture, supply, install, and test Buoy at marine structure

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years proven track records of SPM Hose system supply and manufacturing		

Work Category	:	PM1	MECHANICAL
		PM1 05	Marine System
		PM1 05 03	Single Point Mooring(SPM)
		PM1050303	Mooring System

Work Category's Description : To design, manufacture, supply, install, and test Mooring System at marine structure

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years proven track records of SPM Mooring System supply and manufacturing		

Work Category	:	PM1	MECHANICAL
		PM1 05	Marine System
		PM1 05 10	Jetty
		PM1051001	Mooring System

Work Category's Description : To design, manufacture, supply, install, and test Mooring System at marine structure. E.g. quick release hook and etc

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years proven track records of jetty mooring system supply and manufacturing		

Work Category	:	PM1 PM1 08 PM1081100	Mechanical Filter Elements & Accessories Aviation Filters (Jet A1 & Avgas)
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Work Category's Description : To supply and deliver aviation filters (e.g. microfilter, coalescer, separator, clay filter, filter monitor, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in aviation filters related works Company to have		

Work Category	:	PM1	Mechanical
		PM1 08	Filters Element and Accessories
		PM1 08 05	Water Filter
		PM1080502	Micro / Ultra /Nano Filter

Work Category's Description : To design, supply, fabricate, deliver, install, testing and commissioning of Micro / Ultra / Nano Filter

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 10 proven track record in the field of Micro / Ultra Filter system		

Work Category	:	PM1	Mechanical
		PM1 08	Filters Element and Accessories
		PM1 08 05	Water Filter
		PM1080503	Reverse Osmosis

Work Category's Description : To design, supply, fabricate, deliver, install, testing and commissioning of Reverse Osmosis

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 10 proven track record in the field of reverse Osmosis System		

Work Category	:	PM1	Mechanical
		PM1 08	Filters Element and Accessories
		PM1 08 05	Water Filter
		PM1080504	Electro De-ionization (EDI)

Work Category's Description : To design, supply, fabricate, deliver, install, testing and commissioning of Electro De-ionization (EDI)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 10 proven track record in the field of Electro De-ionization (EDI) System		

Work Category	:	PM1	Mechanical
		PM1 10	Transmission Equipment
		PM1100500	Fluid / Turbo Coupling

Work Category's Description : To supply and deliver Fluid / Turbo Coupling component and parts

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Minimum 3 years experience in O&G mechanical rotating related works		

Work Category : **PM1** **Mechanical**
PM1 10 **Transmission Equipment**
PM1100500 **Fluid / Turbo Coupling**

Work Category's Description : To supply and deliver Fluid / Turbo Coupling component and parts

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					

Work Category	:	PM1	MECHANICAL
		PM1 13	Unfired Pressure Vessel Class I (<32 mm wall thickness)
		PM1130200	Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in strainer		

Work Category	:	PM1	MECHANICAL
		PM1 13	Unfired Pressure Vessel Class I (<32 mm wall thickness)
		PM1130200	Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management	Office Building	1.Lifting Facilities (i.e. Overhead Crane, forklift) 2.Welding facilities 3.Access to NDT and heat treatment facilities /services		Business License from local authority	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 13	Unfired Pressure Vessel Class I (<32 mm wall thickness)
		PM1130300	Coalescer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Coalescer

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management	1.Office Building	1.Lifting Facilities (i.e. Overhead Crane, forklift) 2. Access to NDT and heat treatment facilities/services 3. Welding facilities		Business License from local authority	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PM1 MECHANICAL**
PM1 13 Unfired Pressure Vessel Class I (<32 mm wall thickness)
PM1130400 Towers

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Towers.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1.Office Building 2.Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e.Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 14	Unfired Pressure Vessel Class II (32 – 50 mm wall thickness)
		PM1140200	Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in strainer		

Work Category : **PM1 MECHANICAL**
PM1 14 Unfired Pressure Vessel Class II (32 – 50 mm wall thickness)
PM1140200 Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1.Office Building 2.Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e.Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 14	Unfired Pressure Vessel Class II (32 – 50 mm wall thickness)
		PM1140300	Coalescer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Coalescer.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in Coalescer		

Work Category : **PM1 MECHANICAL**
PM1 14 Unfired Pressure Vessel Class II (32 – 50 mm wall thickness)
PM1140300 Coalescer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Coalescer.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e.Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category : **PM1 MECHANICAL**
PM1 14 Unfired Pressure Vessel Class II (32 – 50 mm wall thickness)
PM1140400 Towers

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Towers.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 15	Unfired Pressure Vessel Class III (>50 mm wall thickness)
		PM1150200	Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in strainer		

Work Category	:	PM1	MECHANICAL
		PM1 15	Unfired Pressure Vessel Class III (>50 mm wall thickness)
		PM1150200	Strainer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver strainer.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 15	Unfired Pressure Vessel Class III (>50 mm wall thickness)
		PM1150300	Coalescer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Coalescer.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in coalescer		

Work Category	:	PM1	MECHANICAL
		PM1 15	Unfired Pressure Vessel Class III (>50 mm wall thickness)
		PM1150300	Coalescer

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Coalescer.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g pressure test, hydrotest and etc.) 8. Access to NDT and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category : **PM1 MECHANICAL**
PM1 15 Unfired Pressure Vessel Class III (>50 mm wall thickness)
PM1150400 Towers

Work Category's Description : To design, supply, fabricate, inspect, test and deliver Towers.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. Pressure Vessel Design software 3. Access to rolling machine 4. Cutting & bending machine 5. Welding facilities 6. Access to blasting & painting facilities / services 7. Testing facilities (e.g. pressure test, hydrotest and etc.)		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PM1** **MECHANICAL**
PM1 16 **Heat Process Equipment (Fired)**
PM1160100 **Fired Heaters**

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning supp Ort on fired heater

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in fired heaters		

Work Category : **PM1 MECHANICAL**
PM1 16 Heat Process Equipment (Fired)
PM1160100 Fired Heaters

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning support on fired heater

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities /services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services		1. Business License from local authority 2. DOSH – JKJ112	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in fired heater fabrication Or Minimum 7 years experience in fired heater fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in fired heater design and fabrication					
Design Engineer	Degree in Mechanical / Chemical Engineering	Minimum 3 years experience in fired heater thermal & mechanical design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category

:

PM1

PM1 16

PM1160200

MECHANICAL

Heat Process Equipment (Fired)

Boilers

Work Category's Description

:

To design, supply, fabricate, inspect, test, deliver and provide commissioning supp Ort on boilers

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in boiler		

Work Category : **PM1 MECHANICAL**
PM1 16 Heat Process Equipment (Fired)
PM1160200 Boilers

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning support on boilers

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH– “Surat sebagai syarikat pembuat dandang stim	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in boiler fabrication Or Minimum 7 years experience in boiler fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in boiler design					
Design Engineer	Degree in Mechanical /Chemical Engineering	Minimum 3 years experience in boiler design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category

:

PM1

PM1 16

PM1160400

MECHANICAL

Heat Process Equipment (Fired)

Incinerators

Work Category's Description

:

To design, supply, fabricate, inspect, test, deliver and provide commissioning supp Ort on incinerat Ors

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in incinerator		

Work Category : **PM1 MECHANICAL**
PM1 16 Heat Process Equipment (Fired)
PM1160400 Incinerators

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning support on incinerators

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities /services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services		1. Business License from local authority 2. DOSH – JKJ112	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in fired heater fabrication Or Minimum 7 years experience in fired heater fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in fired heater design and fabrication					
Design Engineer	Degree in Mechanical / Chemical Engineering	Minimum 3 years experience in fired heater thermal & mechanical design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 16	Heat Process Equipment (Fired)
		PM1160500	Furnaces

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning supp Ort on Furnaces.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in incinerator		

Work Category : **PM1 MECHANICAL**
PM1 16 Heat Process Equipment (Fired)
PM1160500 Furnaces

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning support on Furnaces.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities /services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services		1. Business License from local authority 2. DOSH – JKJ112	
Production Manager	Degree in Mechanical Engineering	Minimum 5 years experience in fired heater fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in fired heater design and fabrication					
Design Engineer	Degree in Mechanical / Chemical Engineering	Minimum 3 years experience in fired heater thermal & mechanical design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PM1** **MECHANICAL**
PM1 16 **Heat Process Equipment (Fired)**
PM1160600 **Burners**

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning supp Ort on Burners.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in burner		

Work Category : **PM1 MECHANICAL**
PM1 16 Heat Process Equipment (Fired)
PM1160600 Burners

Work Category's Description : To design, supply, fabricate, inspect, test, deliver and provide commissioning support on Burners.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard 3. Access to burner testing facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD, Computerize Fluid Dynamics & Thermal design software 3. Welding facilities 4. Access to blasting & painting facilities /services 5. Access to NDT services		1. Business License from local authority 2. DOSH – JKJ112	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in burner fabrication Or Minimum 7 years experience in burner fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in burner design and fabrication					
Design Engineer	Degree in Mechanical / Chemical Engineering	Minimum 3 years experience in burner design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PM1 MECHANICAL**
PM1 17 Heat Process Equipment (Unfired)
PM1170100 Shell & Tube Heat Exchanger

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site shell & tube heat exchanger.

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting facilitates (i.e.Overhead Crane, forklift) 2. CAD, Pressure Vessel Design software, Thermal & Vibration design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT and heat treatment facilities /services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi	
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in heat exchanger design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category : **PM1** **MECHANICAL**
PM1 17 **Heat Process Equipment (Unfired)**
PM1170200 **Double Pipe/Fintube**

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site double pipe / fintube.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in double pipe/fintube		

Work Category : **PM1 MECHANICAL**
PM1 17 Heat Process Equipment (Unfired)
PM1170200 Double Pipe/Fintube

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site double pipe / fintube

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in double pipe/fintube fabrication Or Minimum 7 years experience in double pipe/fintube fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in double pipe/fintube design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in double pipe/fintube design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category : **PM1** **MECHANICAL**
PM1 17 **Heat Process Equipment (Unfired)**
PM1170300 **Hampson coil/Braized Aluminium Plate Fin**

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site Hampson coil / braized aluminium plate.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in Hampson coil / braized aluminium plate		

Work Category : **PM1 MECHANICAL**
PM1 17 Heat Process Equipment (Unfired)
PM1170300 Hampson coil/Braized Aluminium Plate Fin

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site Hampson coil / braized aluminium plate

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services and heat treatment facilities/services		1. Business License from local authority 2. DOSH – JKJ112 3. DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in Hampson coil / braized aluminium fabrication Or Minimum 7 years experience in Hampson coil / braized aluminium fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in Hampson coil / braized aluminium plate design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in Hampson coil / braized aluminium design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category : **PM1 MECHANICAL**
PM1 17 Heat Process Equipment (Unfired)
PM1170400 Air Cooled Heat Exchanger

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on air cooled heat exchanger

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting facilitates (i.e.Overhead Crane, forklift) 2. CAD, Thermal & Vibration design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi	
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category : **PM1** **MECHANICAL**
PM1 17 **Heat Process Equipment (Unfired)**
PM1170500 **Plate Heat Exchanger**

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on plate heat exchanger

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in plate & frame type heat exchanger		

Work Category : **PM1** **MECHANICAL**
PM1 17 **Heat Process Equipment (Unfired)**
PM1170500 **Plate Heat Exchanger**

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on plate heat exchanger To design,

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Fact Ory Acceptance Test (FAT)					

Work Category	:	PM1	MECHANICAL
		PM1 17	Heat Process Equipment (Unfired)
		PM1170600	Transfer Line Exchanger

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on transfer line exchanger

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in transfer line exchanger		

Work Category : **PM1** **MECHANICAL**
PM1 17 **Heat Process Equipment (Unfired)**
PM1170600 **Transfer Line Exchanger**

Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on transfer line exchanger

Mode of Operation : Fabricator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	1. Office Building 2. Fabrication Yard/ Fabrication & Assembling facilities	1. Lifting Facilities (i.e. Overhead Crane, forklift) 2. CAD & Thermal design software 3. Rolling, cutting & bending machine 4. Welding facilities 5. Access to blasting & painting facilities / services 6. Testing facilities (e.g. pressure test, hydrotest and etc.) 7. Access to NDT services and heat treatment facilities/services		1.Business License from local authority 2.DOSH – JKJ112 3.DOSH – “Surat sebagai syarikat pembuat pengandung /bejana tekanan tak berapi”	
Production Manager	Degree in Mechanical Engineering Or Diploma in Mechanical Engineering	Minimum 5 years experience in pressure vessel fabrication Or Minimum 7 years experience in pressure vessel fabrication					
Engineering Manager	Degree in Mechanical Engineering	Minimum 5 years experience in pressure vessel design					
Design Engineer	Degree in Mechanical Engineering	Minimum 3 years experience in pressure vessel design					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PM1 PM1 17 PM1170800	MECHANICAL Heat Process Equipment (Unfired) Cooling Tower
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Work Category's Description : To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on cooling tower

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in cooling tower		

PM1
PM1 19
PM1190100

Mechanical
Water Treating Equipment
Hypochlorinator Package

Work Category's Description : To design, fabricate, assemble, inspection, test, supply and deliver to site and provide commissioning support of Hypochlorinator Package

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of Hypochlorinator Package		

Work Category	:	PM1	Mechanical
		PM1 19	Water Treating Equipment
		PM1190200	Corrugated Plate Interceptor (CPI)

Work Category's Description : To design, fabricate, assemble, inspection, test, supply and deliver to site and provide commissioning support of Corrugated Plate Interceptor

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of Corrugated Plate Interceptor (CPI)		

Work Category	:	PM1	Mechanical
		PM1 19	Water Treating Equipment
		PM1190300	Induced Gas Flotation /Dissolved Air Flotation

Work Category's Description : To design, fabricate, assemble, inspection, test, supply and deliver to site and provide commissioning support of Induced Gas Flotation (IGF)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of Induced Gas Flotation (IGF)		

Work Category	:	PM1	Mechanical
		PM1 19	Water Treating Equipment
		PM1190600	Sewage Treatment Unit

Work Category's Description : To design, fabricate, assemble, inspection, test, supply and deliver to site and provide commissioning support of Sewage Treatment Unit

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacture, supply and provision of associated services and minimum 5 proven track record in the field of sewage treatment unit		

Work Category	:	PM1	MECHANICAL
		PM1 27	Pipe Fitting
		PM1 27 06	Gaskets
		PM1270601	Standard Gasket

Work Category's Description : To manufacture, supply and deliver of standard gasket

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			1. Manned and permanent office setup 2. Manufacturing facility 3. Testing facility 4. Storage facility	1. Equipment for manufacturing. 2. Equipment for testing of the gasket, (e.g. to conduct strength test, hardness test, shore test, etc.)		1. Business / Manufacturing License from Local Authority 2. DOSH – JKJ112	1. ISO 9001 certified company 2. Appropriate certifying company ASME Product Monogram 16.20 and 16.21

Work Category	:	PM1	MECHANICAL
		PM1 27	Pipe Fitting
		PM1270700	Bolting Material (exclude OEM)

Work Category's Description : To manufacture, supply and deliver of Bolting Materials

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Product / Manufacturing Engineer	Degree in any Engineering field	Minimum 5 years experience in engineering and production of bolting materials					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience in QA/QC manufacturing					
HSE Personnel	Certified DOSH safety qualification or appropriate HSE certificate.	Minimum 3 years in HSE management in manufacturing					

Work Category	:	PM1	MECHANICAL
		PM1 51	Service Station Equipment
		PM1510100	Fuel Dispenser & Accessories

Work Category's Description : To supply, deliver, install, test and commission service station fuel dispenser & accessories (e.g. nozzle, hose, visi gauge, breakaway coupling,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in petrol station equipment , manufacturing and maintenance		

Work Category	:	PM1	MECHANICAL
		PM1 51	Service Station Equipment
		PM1510200	Underground Storage Tank & Accessories

Work Category's Description : To supply, deliver, install, test and commission underground storage tank & accessories (e.g. float vent valve, manhole cover, dipping pipe, filling

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacturing of storage tank		

Work Category	:	PM1	MECHANICAL
		PM1 51	Service Station Equipment
		PM1510200	Underground Storage Tank & Accessories

Work Category's Description : To supply, deliver, install, test and commission underground storage tank & accessories (e.g. float vent valve, manhole cover, dipping pipe, filling

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Or Civil Engineering	Minimum 5 years experience in managing civil construction work and/or underground storage tank facilities.	1.Manned and permanent office setup 2.Fabrication Yard/ Fabrication & Assembling facilities 3.Warehouse	1.Lifting Facilities (i.e. Overhead Crane, forklift) 2.Design software e.g. CAD 3.Rolling, cutting & bending machine 4.Welding facilities 5.Access to blasting & painting facilities / services 6.Testing facilities (e.g. pressure test, hydrotest and etc.)		1.Business License from local authority 2.DOSH – "JKJ112"	
Production Manager	Degree in Mechanical Engineering	Minimum 3 years experience in manufacturing of underground storage tank facilities.					
QA/QC Engineer	Degree in Mechanical Engineering field	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
Project Engineer	Degree in Mechanical Or Civil Engineering field	Minimum 2 years experience in petrol station construction and/or underground storage tank facilities.					
Technician	Trained and certified	N/A					

Work Category	:	PM1	MECHANICAL
		PM1 51	Service Station Equipment
		PM1510300	Underground flexible fuel piping system

Work Category's Description : To supply, deliver, install, test and commission underground flexible fuel piping system & accessories (e.g. tank sump and cover, manhole cover

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in manufacturing of underground flexible fuel piping system		

Work Category : **PM1** **MECHANICAL**
PM1 51 **Service Station Equipment**
PM1510500 **Visual Element & Signages**

Work Category's Description : To design, supply, install and commission service station visual element and signages (e.g. main identification display, fascia, logo, bin unit,

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical or Civil Engineering	Minimum 5 years experience in managing manufacturing of visual element & signages	1.Manned and permanent office setup 2.Fabrication Yard/ Fabrication & Assembling facilities 3.Warehouse	1.Design software e.g. CAD 2.Access to blasting & painting facilities / services		1.Business License from local authority 2.DOSH – "JKJ 112" 3.CIDB CE13; G3 & above	
Production Manager	Degree in Mechanical or Civil Engineering	Minimum 3 years experience in manufacturing of visual element & signages					
QA/QC Engineer	Degree in Mechanical or Civil Engineering	Minimum 3 years experience doing QA/QC and Factory Acceptance Test (FAT)					
Project Engineer	Degree in Mechanical or Civil Engineering	Minimum 2 years experience in visual element & signages					
Technician	Trained and certified	N/A					

Work Category	:	PM1	MECHANICAL
		PM1 51	Service Station Equipment
		PM1510600	Display Chillers & Freezer

Work Category's Description : To design, supply, deliver, install and commission display chillers and freezer (e.g. walk in chiller, reach in chiller, open case chiller, reach in

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 3 years experience in chiller and freezer supply and maintenance.		

Work Category	:	PM1	MECHANICAL
		PM1 59	LPG Filling System
		PM1590100	Proprietary LPG Filling Equipment

Work Category's Description : To design, supply, deliver, install and test LPG filling machine system and parts, leak detector and palletizing and related software

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 5 years experience in LPG filling system related works		

Work Category : PM1050901 - Mechanical -Marine Systems - Deepwater - Anchor
 Work Description : Supply and design of deepwater anchoring system
 Modus Operandi : Manufacturer

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Lead / Senior Engineer	1	Master in any relevant engineering discipline, preferably Mechanical Engineering/ Marine Engineering/Naval Architecture/ Structural/ Riser Engineering / Pipeline Engineering Or B.Eng/ Diploma in any relevant engineering discipline, preferably Mechanical Engineering/ Marine Engineering/Naval Architecture/ Structural/ Riser Engineering / Pipeline Engineering	5 years of experience in supply and design of deepwater anchoring system 7 years of experience in supply and design of deepwater anchoring system	Proper office setup, Manufacturing Plant, Storage and Test Facilities.				

Modus Operandi : Agent

**** For Agent, the principal must comply to below requirements**

Principal Requirements

						At least 5 years experience in supply and design of anchoring system (Company to provide list of experiences)		
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Work Category : PM1050902 - Mechanical -Marine Systems - Deepwater - Buoy
Work Description : Supply and design of deepwater buoys system
Modus Operandi : Manufacturer

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Lead / Senior Engineer	1	Master in any relevant engineering discipline, preferably Mechanical Engineering/ Marine Engineering/Naval Architecture/ Structural/ Riser Engineering / Pipeline Engineering Or B.Eng/ Diploma in any relevant engineering discipline, preferably Mechanical Engineering/ Marine Engineering/Naval Architecture/ Structural/ Riser Engineering / Pipeline Engineering	5 years of experience in supply and design of deepwater buoys system 7 years of experience in supply and design of deepwater buoys system	Proper office setup, Manufacturing Plant, Storage and Test Facilities.				

Modus Operandi : Agent

**** For Agent, the principal must comply to below requirements**

Principal Requirements

						At least 5 years experience in supply and design of bouys system (Company to provide list of experiences)		
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Work Category : PM1050903 - Mechanical -Marine Systems - Deepwater - Single Point Mooring
 Work Description : Supply and design of deepwater single point mooring/ turret
 Modus Operandi : Manufacturer

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Lead / Senior Engineer	1	Master in any relevant engineering discipline, preferably Mechanical Engineering/Structural/ Riser Engineering / Pipeline Engineering / Naval Architecture / Marine Engineering Or B.Eng/ Diploma in any relevant engineering discipline, preferably Mechanical Engineering/Structural/ Riser Engineering / Pipeline Engineering / Naval Architecture / Marine Engineering	5 years of experience in supply and design of deepwater single point mooring system / turret 7 years of experience in supply and design of deepwater single point mooring system / turret	Proper office setup, Manufacturing Plant, Storage and Test Facilities.				

Modus Operandi : Agent

**** For Agent, the principal must comply to below requirements**

Principal Requirements

						At least 5 years experience in supply and design of single point mooring system / turret		
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Work Category	:	PP1 PP1010000	INDUSTRIAL PACKING & PACKAGING Form Filled Seal & Hoods
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Work Category's Description : To design, supply and deliver form filled seal & hoods (i.e. shrink hoods, stretch hoods and cover hoods)

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	1.Office Building 2. Production Line / Processing Plant			1. Business License from local authority 2. DOSH – JKJ112 3. Member of Malaysian Plastic Manufacturer Association	
Production Manager	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 5 years experience in polymer / plastic application industry Or Minimum 7 years in polymer / plastic application industry					
Technical Manager	Degree in Chemical Engineering / Chemistry	Minimum 5 years experience in polymer / plastic application industry					
QA/QC Engineer	Degree in any Engineering field	Minimum 3 years experience doing QA/QC					

Work Category	:	PR1	Rotating Equipment
		PR1 01	Compressor
		PR1010100	Centrifugal Compressor

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission Centrifugal Compressor

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Centrifugal Compressor 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Centrifugal Compressor					

Work Category	:	PR1 PR1 01 PR1010100	Rotating Equipment Compressor Centrifugal Compressor
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test, commission Centrifugal Compressor

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Centrifugal Compressor 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Centrifugal Compressor					

Work Category	:	PR1	Rotating Equipment
		PR1 01	Compressor
		PR1010200	Reciprocating Compressor

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Reciprocating Compressor

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Reciprocating Compressor 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Reciprocating Compressor					

Work Category	:	PR1 PR1 01 PR1010200	Rotating Equipment Compressor Reciprocating Compressor
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Reciprocating Compressor

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Reciprocating Compressor 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Reciprocating Compressor					

Work Category	:	PR1 PR1 01 PR1010400	Rotating Equipment Compressor Rotary/Screw Compressor
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Rotary/Screw Compressor

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools		N/A	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Rotary/Screw Compressor 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Rotary/Screw Compressor					

Work Category	:	PR1 PR1 01 PR1010400	Rotating Equipment Compressor Rotary/Screw Compressor
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Rotary/Screw Compressor

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Rotary/Screw Compressor 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Rotary/Screw Compressor					

Work Category : **PR1** **Rotating Equipment**
PR1 01 **Compressor**
PR1010800 **Air Compressor**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Air Compressor

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Air Compressor 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Air Compressor					

Work Category	:	PR1	Rotating Equipment
		PR1 01	Compressor
		PR1010800	Air Compressor

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Air Compressor

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Air Compressor 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Air Compressor					

Work Category	:	PR1	Rotating Equipment
		PR1 03	Generators
		PR1030100	Gas Turbine

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Gas Turbine

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Gas Turbine 2.Trained and certified from Principal Minimum 5 years experience in Gas Turbine					
Technician	Trained and certified by Principal	Minimum 5 years experience in Gas Turbine					

Work Category	:	PR1 PR1 03 PR1030100	Rotating Equipment Generators Gas Turbine
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Gas Turbine

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Gas Turbine 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Gas Turbine					

Work Category	:	PR1	Rotating Equipment
		PR1 03	Generators
		PR1030200	Steam Turbine

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Steam Turbine

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Steam Turbine 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Steam Turbine					

Work Category	:	PR1 PR1 03 PR1030200	Rotating Equipment Generators Steam Turbine
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Steam Turbine

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Steam Turbine 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Steam Turbine					

Work Category	:	PR1	Rotating Equipment
		PR1 03	Generators
		PR1030600	Turbo Expander

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Turbo Expander

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Turbo Expander 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Turbo Expander					

Work Category	:	PR1 PR1 03 PR1030600	Rotating Equipment Generators Turbo Expander
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Turbo Expander

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Turbo Expander 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Turbo Expander					

Work Category	:	PR1	Rotating Equipment
		PR1 04	Centrifugal Pump
		PR1040100	Horizontal API 610 Pump

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Horizontal API 610 Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Horizontal API 610 Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 04	Centrifugal Pump
		PR1040100	Horizontal API 610 Pump

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Horizontal API 610 Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Horizontal API 610 Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 04	Centrifugal Pump
		PR1040400	Vertical API 610 Pump

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Vertical API 610 Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Vertical API 610 Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 04	Centrifugal Pump
		PR1040400	Vertical API 610 Pump

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Vertical API 610 Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Vertical API 610 Pump					

Work Category : **PR1** **Rotating Equipment**
PR1 04 **Centrifugal Pump**
PR1041100 **Fire Water Pump**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.Minimum 5 years experience in Fire Water Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Fire Water Pump					

Work Category : **PR1** **Rotating Equipment**
PR1 04 **Centrifugal Pump**
PR1041100 **Fire Water Pump**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Fire Water Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Fire Water Pump					

Work Category : **PR1** **Rotating Equipment**
PR1 07 **Special Purpose Pumps**
PR1070100 **Multiphase**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Multiphase Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Multiphase Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Multiphase Pump					1.Product supply in compliance to international standards (e.g. API, ASME, etc.)

Work Category : **PR1** **Rotating Equipment**
PR1 07 **Special Purpose Pumps**
PR1070100 **Multiphase**

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission Multiphase Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Multiphase Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Multiphase Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 07	Special Purpose Pumps
		PR1070600	Cryogenic Pump

Work Category's Description : To supply and deliver Cryogenic Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Cryogenic Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Cryogenic Pump					

Work Category	:	PR1 PR1 07 PR1070600	Rotating Equipment Special Purpose Pumps Cryogenic Pump
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Work Category's Description : To supply and deliver Cryogenic Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in Cryogenic Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in Cryogenic Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 07	Special Purpose Pumps
		PR1071200	High Speed

Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission High Speed Pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in High Speed Pump 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in High Speed Pump					

Work Category	:	PR1 PR1 07 PR1071200	Rotating Equipment Special Purpose Pumps High Speed
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Work Category's Description : To design, assemble, supply, deliver, install, hook up, test and commission High Speed Pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in High Speed Pump 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in High Speed Pump					

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1 08 01	Wet Seal
		PR1080101	Mechanical Seal for Pump

Work Category's Description : To supply and deliver mechanical seal for pump

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field or Diploma in any Engineering field	Minimum 3 years experience in project management or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	Minimum 5 years experience in mechanical rotating related works					

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1 08 01	Wet Seal
		PR1080101	Mechanical Seal for Pump

Work Category's Description : To supply and deliver mechanical seal for pump

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field or Diploma in any Engineering field	Minimum 3 years experience in project management or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1 08 01	Wet Seal
		PR1080102	Wet Seal for Compressor / Expander

Work Category's Description : To supply and deliver wet seal for compressor / expander

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	Engineering tools			1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1 08 01	Wet Seal
		PR1080102	Wet Seal for Compressor / Expander

Work Category's Description : To supply and deliver wet seal for compressor / expander

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1080200	Dry Gas Seal

Work Category's Description : To supply and deliver dry gas seal

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					1.Product supply in compliance to international standards (e.g. API, ASME, etc.)

Work Category	:	PR1	Rotating Equipment
		PR1 08	Seal and Sealing System
		PR1080200	Dry Gas Seal

Work Category's Description : To supply and deliver dry gas seal

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	1.Manned and permanent office setup 2.Assembling facility 3.Access to testing facility	Required tools for assembly and testing, e.g. alignment tools, measuring tools, machine shop tools, torque wrench, etc.		1.Business License from Local Authority 2.DOSH – “Surat Kebenaran Operasi”	1.Product supply in compliance to international standards (e.g. API, ASME, etc.)
Engineer	Degree in Mechanical Engineering or related engineering field	1.Minimum 5 years experience in mechanical rotating related works 2.Trained and certified from Principal					
QA/QC Engineer	Degree in any Engineering field	1.Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT) 2.Trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in mechanical rotating related works					

Work Category : PR2010000 - Riser/ Flowlines - Flexible
Work Description : Supply of flexible pipeline/ riser/ flowline, ancillaries and spare parts, proprietary items, qualified personnels, repair and refurbishment equipment including
Modus Operandi : Manufacturer

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Project Manager / Lead / Senior Engineer	1	Master in any relevent engineering discipline, preferably Riser Engineering / Pipeline Engineering/ Mechanical Engineering/ Marine Engineering/ Structural/Naval Architecture Or B.Eng/ Diploma in any relevent engineering discipline, preferably Riser Engineering / Pipeline Engineering/ Mechanical Engineering/ Marine Engineering/ Structural/Naval Architecture	5 years of experience in supply and design of flexible pipeline/ riser/ flowline 7 years of experience in supply and design of flexible pipeline/ riser/ flowline	Proper office setup, Manufacturing Plant, Storage and Test Facilities.				

Modus Operandi : Agent

**** For Agent, the principal must comply to below requirements**

Principal Requirements

						At least 5 years experience in supply and design of flexible pipeline/ riser/ flowline (Company to provide list of experiences)		
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Work Category : PR2020000 - Riser/ Flowlines - Riser
Work Description : Supply of top tension riser system/ hybrid riser system / riser components but not limited to flex joint, stress joint, bouyancy system, connectors, fairings /
Modus Operandi : Manufacturer

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title		Qualification	Experience					
Project Manager / Lead / Senior Engineer	1	Master in any relevent engineering discipline, preferably Riser Engineering / Pipeline Engineering/ Mechanical Engineering/ Marine Engineering/ Structural/Naval Architecture Or B.Eng/ Diploma in any relevent engineering discipline, preferably Riser Engineering / Pipeline Engineering/ Mechanical Engineering/ Marine Engineering/ Structural/Naval Architecture	5 years of experience in supply and design of top tension riser system, hybrid riser system and riser components 7 years of experience in supply and design of top tension riser system, hybrid riser system and riser components	Proper office setup, Manufacturing Plant, Storage and Test Facilities.				

Modus Operandi : Agent

**** For Agent, the principal must comply to below requirements**

Principal Requirements

						At least 5 years experience in supply and design of top tension riser system/ hybrid riser system/ riser components (Company to provide list of experiences)		
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Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1010000	Fire and Gas System

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Fire and Gas System for process area inclusive of beacons, sounder, fire alarm panel

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Fire and Gas System related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 03	Detection Equipment
		PS1030100	Gas Detector

Work Category's Description : To supply and deliver Gas Detector

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Gas Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 03	Detection Equipment
		PS1030200	Smoke Detector

Work Category's Description : To supply and deliver Smoke Detector

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Smoke Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 03	Detection Equipment
		PS1030300	Fire/Heat Detector

Work Category's Description : To supply and deliver Fire/Heat Detector

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Fire/Heat Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 03	Detection Equipment
		PS1030400	Ultra Violet and Infra Red Flame Detector

Work Category's Description : To supply and deliver Ultra Violet and Infra Red Flame Detector

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Ultra Violet and Infra Red Flame Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 03	Detection Equipment
		PS1030500	Visual Flame Detector

Work Category's Description : To supply and deliver Visual Flame Detector

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Visual Flame Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 04	Fire Fighting Equipment
		PS1041000	Fire Engines/Tenders

Work Category's Description : To design, assemble, install, test, supply, deliver, commission fire engines/tenders and conduct training on operation

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Fire/Heat Detector related works		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1 04	Fire Fighting Equipment
		PS1041500	HAZMAT Vehicles

Work Category's Description : To design, assemble, install, test, supply, deliver, commission Hazardous Material (HAZMAT) Vehicles and conduct training on

Mode of Operation : Packager

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Fire/Heat Detector related works		

Work Category : **PS1** **HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM**
PS1090000 **Fire Protection System for Building**

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Fire and Gas System for process area inclusive of beacons, sounder, fire alarm panel

Mode of Operation : System Integrator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any Engineering field	Minimum 5 years experience in Fire and Gas System					
Project /Field Service Engineer	Degree in any Engineering field and trained & certified from Principal	Minimum 3 years experience in Fire and Gas System & Sub System Integration, configuration and troubleshooting					
System Engineer	Degree in any Engineering and trained & certified from Principal	Minimum 5 years experience in Fire and Gas System design					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1500000	Security Equipment and Surveillance System

Work Category's Description : To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Security Equipment and Surveillance System (e.g. CCTV, motion detection, perimeter intrusion detection)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Security Equipment and Surveillance System		

Work Category	:	PS1	HEALTH, SAFETY & ENVIRONMENT (HSE) SYSTEM
		PS1520000	Continuous Emission Monitoring System

Work Category's Description : To design, supply, deliver, install, calibrate and commission continuous emission monitoring system (i.e. DOE Continuous

Mode of Operation : Dealer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering Or Diploma in Engineering	Minimum 5 years experience in project management Or Minimum 7 years experience in project management	Manned and permanent office setup	Calibration kit			
Design Engineer	Degree in Environmental / Chemical Engineering or Degree in Environmental Science	Minimum 3 years experience in designing CEMS systems					

Work Category	:	PS2 PS2 03 PS2030100	Structural Structural Aluminum Offshore Structure
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Work Category's Description : To design, fabricate, supply, deliver and install offshore structural aluminum

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer / Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	*Principal to provide all necessary tools			
Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in material / construction related field and trained					
Site supervisor	N/A	Minimum 5 years experience in aluminum construction field					

Work Category	:	PS3 PS301 PS3010100	SUBSEA Subsea Hardware Subsea Wellhead & Tree
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Work Category's Description : Supply of subsea wellhead & xmas tree/installation & workover control system (IWOCS), wellhead equipments, running tools, consumables and spare parts, proprietary items, qualified personnels, repair and refurbishment equipment including provision of engineering and repair services

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project / Technical Manager	Degree/ Diploma in any related engineering discipline	15 years experience in offshore oil and gas design engineering with a minimum 5 years of experience in Subsea engineering	Comprehensive office setup, Manufacturing Plant, Storage , Loadout and Test Facilities.	Manufacturing and Test Facilities		DOSH – JKJ112	
Lead / Senior Engineer	Degree/ Diploma in any related engineering discipline	10 years experience in offshore oil and gas design engineering with a minimum 5 years of experience in Subsea Wellhead & Tree and Installation & Workover Control System (IWOCS) design					

Work Category	:	PS3 PS301 PS3010200	SUBSEA Subsea Hardware Subsea Production Control System
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Work Category’s Description : To design ,manufacture, assemble, test, supply, deliver, install, hookup, commissioning of subsea production control system (SPCS), running tools, consumables and spare parts with qualified personnel including provision of engineering services.

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project / Technical Manager	Degree/ Diploma in any related engineering discipline	15 years experience in offshore oil and gas design engineering with a minimum 5 years of experience in Subsea engineering	Comprehensive office setup, Manufacturing Plant, Storage , Loadout and Test Facilities.	Manufacturing and Test Facilities		DOSH – JKJ112	
Lead / Senior Engineer	Degree/ Diploma in any related engineering discipline.	10 years experience in offshore oil and gas design engineering with a minimum 5 years of experience in Subsea Production Control System (SPCS) and Installation & Workover Control System (IWOCS) design					

Work Category

:

PS3

PS301

PS3010300

SUBSEA

Subsea Hardware

Subsea Structure, Foundation, Piping & Connection System

Work Category's Description

:

To design ,manufacture, assemble, test, supply, deliver, install, hookup, commissioning of subsea piping, connection, structure and foundation e.g. manifold, PLET, PLEM, SLED, rigid jumper, running tools, consumables and spare parts, qualified personnel including provision of engineering services.

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to provide minimum 3 years experience in supply of Subsea Structure, Foundation, Piping & Connection System		

Work Category

:

PS3

PS301

PS3010400

SUBSEA

Subsea Hardware

Subsea Boosting, Compression & Separation System

Work Category's Description

:

To design ,manufacture, assemble, test, supply, deliver, install, hookup, commissioning of subsea boosting/separation system ,running tools, consumables and spare parts, qualified personnel including provision of engineering services.

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to provide minimum 5 years experience in supply of Subsea boosting /compression / separation system with proven track records at least 3 project		

Work Category

:

PS3

PS301

PS3010500

SUBSEA

Subsea Hardware

Subsea Metering

Work Category's Description

:

To design ,manufacture, assemble, test, supply, deliver, install, hookup, commissioning of of subsea metering (single- or multi-phase),running tools, consumables and spare parts, qualified personnel including provision of engineering services.

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have at least 3 years experience in supply of Subsea metering in accordance to ISO13628 / API 17		

Work Category

:

PS3
PS3020000

SUBSEA
Umbilical

Work Category's Description

:

To design ,manufacture, test, assemble, supply, deliver, install, hookup, commissioning of subsea production control umbilical (steel tube and/or thermoplastic hose and/or power/communication) for static & dynamic services, umbilical accessories, proprietary items, deliver, running tools, consumables and spare parts with qualified personnel including provision of engineering services.

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					<u>PRINCIPAL</u> Provide track records supply of umbilical at least 2 recent projects and list of experience in supply of subsea umbilical in accordance to ISO13628 / API 17		

Work Category	:	PS3 PS3020000	SUBSEA Umbilical
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Work Category's Description : To design ,manufacture, test, assemble, supply, deliver, install, hookup, commissioning of subsea production control umbilical (steel tube and/or thermoplastic hose and/or power/communication) for static & dynamic services, umbilical accessories, proprietary items, deliver, running tools, consumables and spare parts with qualified personnel including provision of engineering services.

Mode of Operation : Manufacturer

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project/ Technical Manager	Degree/ Diploma in any related engineering discipline	15 years experience in offshore oil and gas with a minimum 5 years of experience in Subsea engineering.	Comprehensive office setup, Manufacturing Plant, Storage , Loadout and Test Facilities.	Umbilical manufacturer plant and test facilities		DOSHS – JKJ112	
Lead / Senior Engineer	Degree/ Diploma in any related engineering discipline	10 years experience in offshore oil and gas with a minimum 5 years of experience in Subsea umbilical design.					
QA/QC Manager	Diploma/certificate in any related engineering discipline	10 years experience in offshore oil and gas with a minimum 5 years of experience in Subsea umbilical design					
HSE Manager	Diploma/certificate in any related engineering discipline	10 years experience in offshore oil and gas with a minimum 5 years of experience in Subsea umbilical design					

Work Category	:	PV1 PV1 01 PV1010400	VALVES Ball Valves Ball Valve 50 mm and larger (Firesafe / Firetested)
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Work Category’s Description : To manufacture supply and deliver Ball Valve 50 mm and larger (Firesafe / Firetested)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Valves related works		

Work Category	:	PV1 PV1 02 PV1020200	VALVES Gate Valves Gate Valves 50 mm and larger
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Work Category’s Description : To manufacture supply and deliver Gate Valves 50 mm and larger

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Valves related works		

Work Category

:

PV1

PV101

PV1010500

VALVES

Ball Valves

Ball Valve 50 mm and larger (Offshore Pipeline Valve)

Work Category's Description

:

To manufacture supply and deliver Greater than 50 mm Offshore Pipeline Valve

Mode of Operation

:

Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in O&G Valves related works		

Work Category	:	PW3	WAREHOUSE EQUIPMENT
		PW3 02	Material Handling
		PW3 02 07	Forklift
		PW3020702	Forklift >5MT

Work Category's Description : To design, fabricate, test, supply and deliver forklift >5MT & its associated accessories / attachment (e.g. forks, side shifter, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
					Principal to have minimum 10 years experience in forklift design and fabrication		

Work Category	:	SC2 SC2 01 SC2010200	Civil, Structural & Building Maintenance Services Site Preparation and Soil Investigation Offshore Site Preparation
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Work Category's Description : The provision of labour, materials, equipment, services and facilities for offshore site preparation including underwater debris removal, seabed leveling, stomping, etc.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Field Engineer	Degree in any Engineering field	Minimum 3 years experience in marine operation field and trained by Principal					
Site supervisor	N/A	Minimum 5 years experience in marine operation field		*Principal to provide all necessary tools			

Work Category	:	SC2	Civil, Structural & Building Maintenance Services
		SC2 01	Site Preparation and Soil Investigation
		SC2010200	Offshore Site Preparation

Work Category's Description : The provision of labour, materials, equipment, services and facilities for offshore site preparation including underwater debris removal, seabed leveling, stumping, etc.

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 8 years experience in project management Or Minimum 10 years experience in project management					
Field Engineer	Degree in any Engineering field	Minimum 8 years experience in marine operation field					
Site supervisor	N/A	Minimum 5 years experience in marine operation field					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 01	Project Management
		SC3010100	Project Management - Plant

Work Category's Description : The provision of project management services for plant construction, rejuvenation and major maintenance work

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Lead/Senior Civil Engineer	Degree in Civil Engineering	10 years experience in plant engineering	Proper office setup	StaadPro /Prokon or equivalent			
Civil Engineer	Degree in Civil Engineering	5 years experience in plant engineering					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 01	Project Management
		SC3010400	Project Management - Building, Structural & Civil Works

Work Category's Description : The provision of project management services for Building, Structural & Civil Works

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Lead/Senior Civil Engineer	Degree in Civil Engineering	10 years experience in plant engineering	Proper office setup	StaadPro /Prokon or equivalent			
Civil Engineer	Degree in Civil Engineering	5 years experience in plant engineering					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 02	Engineering Consultancy Services (Operation & Maintenance Studies)
		SC3021000	PPlant & Topside 3D Scanning & Modelling

Work Category's Description : The provision to provide services, equipment, software and manpower for plant & topside 3D scanning and modeling

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Mechanical Engineering	Minimum 7 years experience in Consultancy	Manned and permanent office setup	1.Relevant software to required study (e.g. PDMS, Auto- CAD, etc) 2.Laser scanning equipment 3.Photogrammetry equipment 4.Theodolite			
Engineer	Degree in Mechanical Engineering	Minimum 5 years experience in Consultancy					
Lead surveyor (scanning surveyor)	Diploma in engineering	Minimum 5 years experience in photogrammetry & laser scanning					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 02	Engineering Consultancy Services (Operation & Maintenance Studies)
		SC3021100	Measurement/Metering Of Hydrocarbon Consultancy

Work Category's Description : The provision of Measurement/Metering Consultancy work such as development of Measurement Concept, Metering Project execution consultancy, study related to metering matters and hydrocarbon allocation. Audit and assessment on Metering System and Hydrocarbon Allocation System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree or equivalent in any Engineering field	Minimum 5 years experience in Custody Metering	Manned and permanent office setup	1.Engineering & Configuration software	Principal to have minimum 10 years experience in O&G Measurement/Metering of Hydrocarbon Consultancy		

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 02	Engineering Consultancy Services (Operation & Maintenance Studies)
		SC3021100	Measurement/Metering Of Hydrocarbon Consultancy

Work Category's Description : The provision of Measurement/Metering Consultancy work such as development of Measurement Concept, Metering Project execution consultancy, study related to metering matters and hydrocarbon allocation. Audit and assessment on Metering System and Hydrocarbon Allocation System

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Consultant	1. Degree or equivalent in any Engineering field 2. Registered Professional Engineers or equivalent	Minimum 10 years experience in Custody Metering	Manned and permanent office setup	Engineering & Configuration software			

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 02	Engineering Consultancy Services (Operation & Maintenance Studies)
		SC3021200	Flow Assurance

Work Category's Description : The provision of engineering services in the area of Flow Assurance Analysis during various stages including but not limited to Feasibility Study, Concept Select Study and Front End Engineering Design (FEED) of development project

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Technical Manager	B.Eng /Sc in any engineering discipline	Minimum 15 years experience in engineering with a minimum 8 years experience in flow assurance analysis & 5 years experience in process engineering analysis	Manned and permanent engineering office setup complete with Flow Assurance engineering software & drafting facilities	Company to provide the list of engineering software, e.g. HYSYS, PIPESIM, OLGA		Registration with BOE (Form F)	
Lead / Senior Engineer	B.Eng/ Diploma in any related engineering discipline	Minimum 15 years experience in engineering with a minimum 5 years experience in flow assurance analysis, 3 years experience in process engineering analysis & 2 years experience in pipeline hydraulic analysis		*Company to provide list of software(s) and copy of the software license(s).			

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 06	Upstream Consultancy Services
		SC3060400	Integrated Full Field Review

Work Category's Description : The provision to conduct full field review study

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Manned office setup	Workstation and geological & modelling software			
Petrophysicist	Degree in Geology / Petroleum Engineering	Minimum 5 years in formation evaluation					
Geologist (Geomodeller)	Degree in Geology	Minimum 5 years in geological modelling					
Reservoir Engineer	Degree in Petroleum Engineering	Minimum 5 years in reservoir engineering					
Geophysicist	Degree in Geophysic / Geology	Minimum 5 years in geophysical interpretation					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 06	Upstream Consultancy Services
		SC3060800	Integrated Operations Consultancy & Services

Work Category's Description : The provision to conduct engineering study, services, Maintenance of Integrated Operations (e.g. SmartCen, Smart Well, Smart Field, Data Historian, Collaboration Centre, Upstream Modeling and Analysis Software, Optimization System, Data Quality Assurance, Information Management)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management	Manned and permanent office setup	1.Hand tools 2.Engineerin & Configuration software	Principal to have minimum 10 years experience in O&G Integrated Operations Consultancy & Services		
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Integrated Operations and Advanced Computer System selection and servicing, trained and certified from Principal					
Technician	Trained and certified by Principal	Minimum 5 years experience in instrumentation System installation					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 06	Upstream Consultancy Services
		SC3060800	Integrated Operations Consultancy & Services

Work Category's Description : The provision to conduct engineering study, services, Maintenance of Integrated Operations (e.g. SmartCen, Smart Well, Smart Field, Data Historian, Collaboration Centre, Upstream Modeling and Analysis Software, Optimization System, Data Quality Assurance, Information Management)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Coordinator	Degree in any Engineering field Or Diploma in any Engineering field	Minimum 3 years experience in project management Or Minimum 5 years experience in project management					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Integrated Operations and Advanced Computer System selection and servicing , trained and certified					
Technician	Trained and certified	Minimum 5 years experience in instrumentation System installation					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC3 10	Laboratory Services
		SC3100200	External Laboratory Analysis Services

Work Category's Description : The provision of external laboratory analysis services for sample testing

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Advisor	Min Degree in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 5 years experience in Oil & Gas Chemical Analytical Testing	Operational Laboratory	Laboratory equipment used to conduct sample analysis (E.g. liquid hydro carbon sample, gas sample, water sample and etc)		Business License from Local Authority	
Chemist	Min Degree in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 3 years experience in Oil & Gas Chemical Analytical Testing					
Lab Technician	Min Diploma in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 1 years experience in Oil & Gas Chemical Analytical Testing					

Work Category	:	SC3	Consultancy Services
		SC3 10	Laboratory Services
		SC3100300	Laboratory Equipment Calibration Services

Work Category's Description : The provision of calibration services for laboratory equipment and apparatus

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Service Engineer/Chemist	Degree in any engineering or chemistry	Minimum of 7 years experience in laboratory equipment repair or maintenance or calibration	1. Permanent office setup 2. Calibration lab	Laboratory equipment and apparatus used to conduct calibration (E.g. standard weight, reference thermometer, temperature controlled bath and etc)		Business License from Local Authority	
Service Technician	Min Diploma in any engineering or chemistry or Min Certificate in any engineering or chemistry	Minimum of 3 years experience in laboratory equipment repair or maintenance or calibration or Minimum of 5 years experience in laboratory equipment repair or maintenance or calibration					

Work Category	:	SC3	Consultancy Services
		SC3 10	Laboratory Services
		SC3100600	Laboratory Operation Services

Work Category's Description : The provision of analysis, equipment calibration, repair & maintenance , consultancy and associated services in laboratory operation services

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Advisor	Min Degree in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 10 years experience in Oil & Gas Analytical Testing and laboratory management.	Operational Laboratory	Laboratory equipment used to conduct sample analysis (E.g. liquid hydro carbon sample, gas sample, water sample and etc)		Business License from Local Authority	
Chemist	Min Degree in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 5 years experience in Oil & Gas Analytical Testing					
Lab Technician	Min Diploma in Chemistry/ Applied Chemistry/ Industrial Chemistry	Minimum of 2 years experience in Oil & Gas Analytical Testing					

Work Category : SC3 **CONSULTANCY SERVICES**
SC3150000 **Well Control Consultancy**

Work Category's Description : Provision of well control prevention, blowout contingency planning and consultancy services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>Agent:</u> Technical Manager	Degree in any engineering discipline	Minimum 10 years experience in drilling and/or completion operation	Office setup in Malaysia	Advance well control and kick modeling software (lease/own)			
<u>Principal:</u> Technical Expert	Degree in any engineering discipline	10 years in well control prevention and blowout emergency response					

Work Category	: SC3	CONSULTANCY SERVICES
	SC3150000	Well Control Consultancy

Work Category's Description : Provision of well control prevention, blowout contingency planning and consultancy services

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 10 years experience in drilling and/or completion operation	Office setup in Malaysia	Advance well control and kick modeling software (lease/own)			
Technical Expert	Degree in any engineering discipline	10 years in well control prevention and blowout emergency response					

Work Category	:	SC3	CONSULTANCY SERVICES
		SC306	Upstream Consultancy Services
		SC3060600	Subsea Specialised Study

Work Category's Description : The provision of special consultancy services including but not limited to Constructability/ Installability, Commissioning / Startup,

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Technical Manager	Degree/ Diploma in any engineering discipline.	10 years experience in oil and gas design engineering with a minimum 5 years of experience in Subsea engineering design	Comprehensive office setup	Company to provide applicable software		Company to have BEM registration	
Lead / Senior Engineer	Degree/ Diploma in related engineering discipline.	8 years experience in offshore oil and gas design engineering with a minimum 3 years of experience in Subsea engineering design		*Company to provide list of software(s) and copy of the software license(s).			

Work Category	: SE2010301	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Electrical Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the various disciplines.
Work Description	:	
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services					
Lead Engineers	Company to submit one (1) CV for key discipline: 1.Electrical One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Power System Design and Analysis: EDSA or equivalent (ETAP/SKM)		Valid registration with BEM (Board of Engineers Malaysia)	
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Electrical One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services		*Company to provide list of software(s) and copy of the software license(s).			

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	: SE2010302	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Pipeline
Work Description	: Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the various disciplines.	
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services					
Lead Engineers	Company to submit one (1) CV for key discipline: 1. Pipeline One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Pipeline design, analysis and simulation: CEASER 2 and AGA or equivalent of the respective		Valid registration with BEM (Board of Engineers Malaysia)	
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Pipeline One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services		*Company to provide list of software(s) and copy of the software license(s).			

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	: SE2010303	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Civil & Structural
Work Description	: various disciplines.	Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities	Equipment/ Machineries	Company's Experience	External Body	Quality
Position Title	Min no of Key Personnel	Qualification	Experience	E.g. Warehouse, Dockyard	(Owned) e.g. Tools		Registration e.g. MOF, CIDB	e.g. ISO, API Standard
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Structural Analysis and Drafting: SACS and BOCAD or equivalent of the respective *Company to provide list of software(s) and copy of the software license(s).		Valid registration with BEM (Board of Engineers Malaysia)	
Lead Engineers	Company to submit one (1) CV for key discipline: 1.Civil & Structural One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services					
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Civil & Structural One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services					

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	: SE2010304	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Mechanical & Piping
Work Description	: various disciplines.	Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services					
Lead Engineers	Company to submit one (1) CV for key discipline: 1.Mechanical / Piping One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Pressure Vessel and Exchanger Design & Analysis : PV ELITE or equivalent *Company to provide list of software(s) and copy of the software license(s).		Valid registration with BEM (Board of Engineers Malaysia)	
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Mechanical / Piping One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services					

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	: SE2010305	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Process
Work Description	: various disciplines.	Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities	Equipment/ Machineries	Company's Experience	External Body	Quality
Position Title	Min no of Key Personnel	Qualification	Experience	E.g. Warehouse, Dockyard	(Owned) e.g. Tools		Registration e.g. MOF, CIDB	e.g. ISO, API Standard
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Process Simulation and Analysis: HYSIS and PIPESIM or equivalent of the respective		Valid registration with BEM (Board of Engineers Malaysia)	
Lead Engineers	Company to submit one (1) CV for key discipline: 1.Process One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services					
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Process One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services					

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	: SE2010306	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES -Engineering Design- Specific Engineering - Control & Instrumentation
Work Description	: various disciplines.	Specific Engineering Services scope is to undertake small scale projects, e.g. specific platform/plant modification, retrofitting, rejuvenation engineering for the
Modus Operandi	: <u>Self-Operated</u>	

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Project Manager	Company to submit one (1)CV	Degree in Engineering	Min ten (10) years experience in managing similar scope of services					
Lead Engineers	Company to submit one (1) CV for key discipline: 1.Control & Instrumentation One shall be permanent staff and Professional Engineer (PE)	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Instrument design and database : InstruCALC and INTOOLS or equivalent of the respective		Valid registration with BEM (Board of Engineers Malaysia)	
Senior Engineers	Company to submit two (2) CVs for key discipline: 1.Control & Instrumentation One of two shall be permanent staff	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services					

(Company to attach CV of each personnel and PE certification and organization chart)

Work Category	:	SE2	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES
		SE2 01	Engineering Design
		SE2010100	Major Engineering - Conceptual Engineering Design / FEED / Detailed Design

Work Category's Description : The provision to perform major engineering works include Conceptual Engineering Design / FEED / Detailed Design with required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up of the facilities (for onshore or offshore)
Example of deliverables for Conceptual engineering design are Concept Layouts, HSE Philosophies, Process Flow Diagram, Simulation Report, etc
Example of deliverables for FEED / Detailed Design are Data Sheets, Project Execution Plan, Control Strategy and System Overview Sketches, HSE plan, P&IDs, Weight Management, Transportation, Installation, Risk Assessment, etc

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Bachelor Degree in Engineering	Min twelve (12) years experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1.Process Simulation and Analysis: HYSIS and PIPESIM or equivalent of the respective 2.Pressure Vessel and Exchanger Design & Analysis: PV ELITE or equivalent 3.Pipe Stress Analysis and Design: CEASAR or equivalent 4.Power System Design and Analysis: EDSA or equivalent (ETAP/SKM) 5.Structural Analysis and Drafting: SACS and BOCAD or equivalent of the respective 6.Instrument design and database: InstruCALC and INTOOLS or equivalent of the respective 7.Pipeline design, analysis and simulation: CEASER 2 and AGA or equivalent of the respective 8.CAD: PDMS & AutoCAD or equivalent *Company to provide list of software(s) and copy of the software license(s).		Valid registration with BEM (Board of Engineers Malaysia)	
Lead Engineers	Bachelor Degree in Engineering of respective discipline	Min ten (10) years of respective discipline experience in managing similar scope of services					
Senior Engineers	Bachelor Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services					

Work Category	:	SE2 SE2 01 SE2010500	Eng. Design, Arch. & Draughting Services Engineering Design Naval Architecture and Marine Engineering
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Work Category's Description : The provision to perform engineering works include Feasibility Studies / Conceptual Engineering Design / FEED / Detailed Design / Special Consultancy Services, which required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities, such as Spar, TLP, Semi FPS, FPSO, CALM buoy, etc. The provision of Special Consultancy Services such as Integrity Management System, Constructability/ Installability, Commissioning / Startup, Material Selection Analysis, Stability, Hydrodynamics, Mooring Analysis, Anchor Design, Structural Design Analysis, Riser Analysis, Appurtenance Design, Finite Element Analysis, Model Testing, Fatigue/Dynamic Analysis, Engineering Verification etc. for Floating Production System (FPS) and any Advance Analysis required during project execution.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Lead Engineer	Bachelor Degree in engineering	Min 7 years experience in managing similar scope of services	Proper office setup	The company to provide IT facilities (e.g. video / teleconference) *Principal to provide list of software(s) and copy of the software license(s).			

Work Category	:	SE2 SE2 01 SE2010500	Eng. Design, Arch. & Draughting Services Engineering Design Naval Architecture and Marine Engineering
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Work Category's Description : The provision to perform engineering works include Feasibility Studies / Conceptual Engineering Design / FEED / Detailed Design / Special Consultancy Services, which required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities, such as Spar, TLP, Semi FPS, FPSO, CALM buoy, etc. The provision of Special Consultancy Services such as Integrity Management System, Constructability/ Installability, Commissioning / Startup, Material Selection Analysis, Stability, Hydrodynamics, Mooring Analysis, Anchor Design, Structural Design Analysis, Riser Analysis, Appurtenance Design, Finite Element Analysis, Model Testing, Fatigue/Dynamic Analysis, Engineering Verification etc. for Floating Production System (FPS) and any Advance Analysis required during project execution.

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Bachelor Degree in Engineering	Min twelve (12) years experience in managing similar scope of services		Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum: 1. Structural / Finite Element software: e.g. ANSYS, SESAM, AQUA, Abacus, or equivalent 2. Hydrodynamics: e.g. WAMIT / HydroD or equivalent 3. Stability: e.g. GHS, Autohydro, HydroD or equivalent 4. Coupled Analysis: e.g. Winpost, DeepC or equivalent 5. Mooring Analysis: e.g. MIMOSA, SIMO, Orcaflex, or equivalent 6. CAD: e.g. PDMS, AutoCAD, or equivalent *Company to provide list of software(s) and copy of the software license(s).		Valid registration with BEM (Board of Engineers Malaysia)	
Lead Engineers	Bachelor Degree in Engineering of respective discipline	Min ten (10) years of respective discipline experience in managing similar scope of services					
Senior Engineers	Bachelor Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services					

Work Category	:	SE2	Eng. Design, Arch. & Draughting Services
		SE2 01	Engineering Design
		SE2010600	Offshore Novel Facilities Engineering

Work Category's Description : The provision to perform Offshore Novel Facilities engineering works include Conceptual Engineering Design / FEED / Detailed Design with required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up of the facilities for offshore fixed and offshore floating platform.

Offshore Novel Facilities is defined as a new or an unconventional technology / facility (e.g. hull / substructure / topsides / pipeline) to PETRONAS and a proven concept (proof of concept as a paper study or R&D Experiments as define by TRL ruler in PETRONAS Technology Guidelines). (e.g. Buoyant Tower, Multicolumn Floater, Deep draft Column, Seahorse platform and etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Lead Engineer	Bachelor Degree in engineering	Min 7 years experience in managing similar scope of services	Proper office setup	The company to provide IT facilities (e.g. video / teleconference) *Principal to provide list of software(s) and copy of the software license(s).			

Work Category	:	SE2	Eng. Design, Arch. & Draughting Services
		SE2 01	Engineering Design
		SE2010600	Offshore Novel Facilities Engineering

Work Category's Description : The provision to perform Offshore Novel Facilities engineering works include Conceptual Engineering Design / FEED / Detailed Design with required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up of the facilities for offshore fixed and offshore floating platform.

Offshore Novel Facilities is defined as a new or an unconventional technology / facility (e.g. hull / substructure / topsides / pipeline) to PETRONAS and a proven concept (proof of concept as a paper study or R&D Experiments as define by TRL ruler in PETRONAS Technology Guidelines). (e.g. Buoyant Tower, Multicolumn Floater, Deep draft Column, Seahorse platform and etc.)

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience					
Project Manager	Bachelor Degree in Engineering	Min twelve (12) years experience in managing similar scope of services	Proper office setup	The company to provide the list of engineering workstation / hardware and relevant software and program to conduct classification		Registration with BOE (Form F)	
Lead Engineers	Bachelor Degree in any relevent engineering discipline, preferably Civil/ Naval Architecture / Marine Engineering / Mechanical Engineering / Structural / Riser Engineering / Pipeline Engineering. Master is preferred.	10 years experience in Oil and Gas business and a minimum of 5 years of operation / design / fabrication of fixed or floating structurewith some experience or have/own a Novel Concept Facilities e.g.: Buoyant Tower, Multicolumn Floater, Deep draft Column and etc.		*Company to provide list of software(s) and copy of the software license(s).			

Work Category : SE2 ENG. DESIGN, ARCH. & DRAUGHTING SERVICES
SE2030000 Engineering Commissioning Services

Work Category's Description : The provision of engineering commissioning services for precommissioning, startup, commissioning

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering	Min ten (10) years experience in managing similar scope of services	Proper office setup	Company to have existing Engineering software (leased or owned) and qualified operator of following as minimum, whichever is relevant for respective discipline: 1. Process - Process Simulation and Analysis: HYSIS and PIPESIM or equivalent of the respective, OR 2. Mechanical - Pressure Vessel and Exchanger Design & Analysis: PV ELITE or equivalent, OR 3. Piping - Pipe Stress Analysis and Design: CEASAR or equivalent, OR 4. Electrical - Power System Design and Analysis: EDSA or equivalent (ETAP/SKM), OR 5. Civil & Structural - Structural Analysis and Drafting: SACS and BOCAD or equivalent of the respective, OR 6. Control & Instrumentation - Instrument design and database: InstruCALC and INTOOLS or equivalent of the respective, OR 7. Pipeline - Pipeline design, analysis and simulation: CEASER 2 and AGA or equivalent of the respective, OR 8. PDMS or AutoCAD *Company to provide list of software(s) and copy of the software license(s).		Valid registration with BEM (Board of Engineers Malaysia)	
Lead Engineers	Degree in Engineering of respective discipline	Min seven (7) years of respective discipline experience in managing similar scope of services					
Senior Engineers	Degree in Engineering of respective discipline	Min five (5) years of respective discipline experience in managing similar scope of services					

Work Category	:	SE2	ENG. DESIGN, ARCH. & DRAUGHTING SERVICES
		SE2 01	Engineering Design
		SE2010400	Subsea Engineering Services

Work Category's Description : The provision of engineering services including but not limited to Feasibility Study, Concept Select Study and Front End Engineering Design (FEED)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Technical Manager	Degree/ Diploma in any engineering discipline	10 years experience in offshore oil and gas engineering with a minimum 5 years of experience in Subsea engineering design	Comprehensive office setup	Company to provide the list of engineering workstation / hardware / software (e.g. HYSYS, PIPESIM, ACAD) & drafting facilities. *Company to provide list of software(s) and copy of the software license(s).		Company to have BEM registration	
Lead / Senior Engineer	Degree/ Diploma in any engineering discipline	10 years experience in offshore oil and gas engineering with a minimum 8 years of experience in Subsea engineering design					

Work Category	:	SF2 SF2010000	Floating & Mobile Offshore Facilities Floating Offshore Facilities
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Work Category's Description : Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for floating offshore facilities which include new built / conversion / refurbishment / supply / operation / maintenance. (e.g. FPSO, FSO , TLP, SPAR, Semi-sub , etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Project Manager	Bachelor Degree in Engineering	Min twelve (10) years experience in managing similar scope of services	Proper office setup		Principal to have at least 10 years experience in Oil and Gas business with minimum of 5 years of proven track record in floating offshore facilities business		
Company/ Principal: Lead Engineers	Bachelor Degree in any relevent engineering discipline, preferably Naval Architecture / Marine Engineering / Mechanical Engineering / Structural / Riser Engineering /	5 years experience in Oil and Gas business with a minimum of 3 years of operation / design / fabrication / conversion of Floating Offshore Facilities e.g.: FSO, FPSO, FPS, TLP, Spar, Semisub, etc					

Work Category : **SF2** **Floating & Mobile Offshore Facilities**
SF2010000 **Floating Offshore Facilities**

Work Category's Description : Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for floating offshore facilities which include new built / conversion / refurbishment / supply / operation / maintenance. (e.g. FPSO, FSO , TLP, SPAR, Semi-sub , etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Bachelor Degree in Engineering	Min twelve (10) years experience in managing similar scope of services	Proper office setup			Registration with BOE (Form F)	
Lead Engineers	Bachelor Degree in any relevant engineering discipline, preferably Naval Architecture / Marine Engineering / Mechanical Engineering / Structural / Riser Engineering / Pipeline Engineering. Master is preferred.	5 years experience in Oil and Gas business with a minimum of 3 years of operation / design / fabrication / conversion of Floating Offshore Facilities e.g.: FSO, FPSO, FPS, TLP, Spar, Semisub, etc					

Work Category : **SF2** **Floating & Mobile Offshore Facilities**
SF2020000 **Mobile Offshore Facilities**

Work Category's Description : Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for Mobile Offshore Facilities which include new-built / conversion / refurbishment / supply / operation / maintenance (e.g. MOPU, MODU, MOPSU, MOAB, and etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal:Project Manager	Bachelor Degree in Engineering	Min ten (10) years experience in managing similar scope of services	Proper office setup		Principal to have at least 10 years experience in Oil and Gas business with minimum of 5 years of proven track record in Mobile Offshore Facilities business		
Company/ Principal: Lead Engineers	Bachelor Degree in any relevent engineering discipline, preferably Naval Architecture / Marine Engineering / Mechanical Engineering / Structural / Riser Engineering /	5 years experience in Oil and Gas business with a minimum of 3 years of operation / design / fabrication / conversion of Mobile Offshore Facilities e.g.: MOPU, MODU, MOPSU, MOAB, and etc					

Work Category : **SF2** **Floating & Mobile Offshore Facilities**
SF2020000 **Mobile Offshore Facilities**

Work Category's Description : Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for Mobile Offshore Facilities which include new-built / conversion / refurbishment / supply / operation / maintenance (e.g. MOPU, MODU, MOPSU, MOAB, and etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Bachelor Degree in Engineering	Min ten (10) years experience in managing similar scope of services	Proper office setup			Registration with BOE (Form F)	
Lead Engineers	Bachelor Degree in any relevant engineering discipline, preferably Naval Architecture / Marine Engineering / Mechanical Engineering / Structural / Riser Engineering / Pipeline Engineering. Master is preferred.	5 years experience in Oil and Gas business with a minimum of 3 years of operation / design / fabrication / conversion of Mobile Offshore Facilities e.g.: MOPU, MODU, MOPSU, MOAB, and etc					

Work Category Description			New SWECS Code	Mode of Operation	Principal/Local Agent/Manufacturer/Packager	Minimum Requirements			
2nd Level	3rd Level	4th Level				Personnel & Experience	Technical	External Bodies Registration/Exclusivity	Quality e.g. Procedure of ISO, Standard of API
SG2 - GEOPHYSICAL SERVICES									
Magnetic & Gravity Survey	Magnetic & Gravity Survey - Land		SG2010300	Agent	Local Agent	Business Development Manager (compulsory), Degree in Sc/Eng, 5 years (in upstream activities)	Office Premise/PC /Office Facilities	Exclusive appointment from principal	
					Principal	Sr. Observer/Sr. Navigator/Sr. Engineer/Sr. QC(compulsory), Degree in Sc/Eng, 5 years (in upstream activities)	Logistic, magnetometer, accelerometer, navigation / positioning & recording system	International Association Geophysical Contractor (IAGC)	
				Self - Operated	-	Operation Manager(compulsory), Degree in Sc/Eng, 10 years (in upstream activities)			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 01	Sample Analysis
		SG1010100	Routine Rock Sample Analysis

Work Category's Description : The provision of routine rock sample analysis for structural geology, geochemistry, biostratigraphy, sedimentology and petrophysical analyses in Malaysia

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Manned office setup Operational Laboratory in Malaysia	Laboratory equipment			
Geochemist	Degree in Geology / Chemistry	Minimum 5 years in geochemistry					
Biostratigrapher	Degree in Geology	Minimum 5 years in biostratigraphy					
Sedimentologist	Degree in Geology	Minimum 5 years in sedimentology					
Petrophysicist	Degree in Geology / Physic	Minimum 5 years in formation evaluation					

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 01	Sample Analysis
		SG1010200	Routine Fluid Sample Analysis

Work Category's Description : The provision of routine rock sample analysis for structural geology, geochemistry, biostratigraphy, sedimentology and petrophysical analyses in Malaysia

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geochemist / Chemist	Degree in Geology / Chemistry	Minimum 5 years in fluid sample analysis	Manned office setup Operational Laboratory in Malaysia	Laboratory equipment			
Petroleum Engineer	Degree in Petroleum engineering	Minimum 5 years in fluid sample analysis					

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 01	Sample Analysis
		SG1010300	Specialized Sample Analysis

Work Category's Description : The provision of specialized sample analysis (e.g. fluid inclusion, carbon isotope, GC/MS/MS, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Laboratory equipment	<u>PRINCIPAL</u> Minimum 5 years experience in specialized laboratory analyses		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 01	Sample Analysis
		SG1010300	Specialized Sample Analysis

Work Category's Description : The provision of specialized sample analysis (e.g. fluid inclusion, carbon isotope, GC/MS/MS, etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Laboratory equipment			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030100	Structural Geology/ Geomechanics

Work Category's Description : The provision of structural geology / geomechanics modelling services (e.g. fault seal analysis, regional structural trend, fracture analysis, etc.)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Structural Geologist	Bsc in Geoscience	Minimum 5 years in structural geology / geophysics / geomechanics and structural modelling application	Manned office setup	Structural modelling software & hardware			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030200	Geochemistry & Basin

Work Category's Description : The provision of geochemical & basin modelling services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Geochem & basin modelling software & hardware	<u>PRINCIPAL</u> Minimum 5 years experience in geochem & basin geology modelling / analyses		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030200	Geochemistry & Basin

Work Category's Description : The provision of geochemical & basin modelling services

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geochemist	Degree in Geology / Chemistry	Minimum 5 years in geochemistry & basin modelling and geochem & basin modelling application	Manned office setup	Geochem & basin modelling software & hardware			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030500	Pore Pressure Prediction

Work Category's Description : The provision of pore pressure prediction modelling

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Pore pressure modelling software & hardware	<u>PRINCIPAL</u> Minimum 5 years experience in pore pressure modelling / analyses		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030500	Pore Pressure Prediction

Work Category's Description : The provision of pore pressure prediction modelling

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geologist / Geophysicist	Degree in Geoscience	Minimum 5 years in pore pressure analysis modelling and pore pressure analysis modelling application	Manned office setup	Pore Pressure modelling software & hardware			
Or	Or						
Petroleum Engineer	Degree in Petroleum Engineering						

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030600	Reservoir

Work Category's Description : The provision of reservoir modelling services (i.e. static and dynamic)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Reservoir modelling software & hardware	<u>PRINCIPAL</u> Minimum 5 years experience in reservoir modelling / analyses		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1 03	Modelling Services
		SG1030600	Reservoir

Work Category's Description : The provision of reservoir modelling services (i.e. static and dynamic)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geomodeller	Degree in Geoscience / petroleum engineering	Minimum 5 years in reservoir modelling and reservoir modelling application	Manned office setup	Reservoir modelling software & hardware			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1080000	Geological Feasibility / Prospecting / Reconnaissance Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose optimal solution to acquire and process geological data. (e.g. surface geochemistry, Time Lapse, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> 1. Coring equipment / Geological tools / Lab equipment 2. geological software & hardware	<u>PRINCIPAL</u> Minimum 5 years experience in geological feasibility / prospecting / reconnaissance Study		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1080000	Geological Feasibility / Prospecting / Reconnaissance Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose optimal solution to acquire and process geological data. (e.g. surface geochemistry, Time Lapse, etc.)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geologist / Geophysicist	Degree in Geoscience	Minimum 5 years in geological feasibility / prospecting / reconnaissance Study	Manned office setup	1. Coring equipment / Geological tools / Lab equipment 2. geological software & hardware			

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1090000	Geological Analysis While Drilling

Work Category's Description : The provision of geological analysis while drilling (e.g. biostratigraphy, geochemistry, sedimentology, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> 1.Geological software & hardware 2.Logging analysis equipment	<u>PRINCIPAL</u> Minimum 2 years experience in Geological Analysis While Drilling		

Work Category	:	SG1	GEOLOGICAL SERVICES
		SG1090000	Geological Analysis While Drilling

Work Category's Description : The provision of geological analysis while drilling (e.g. biostratigraphy, geochemistry, sedimentology, etc.)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Geoscientist	Degree in Geoscience	Minimum 3 years in wellsite operation	Manned office setup	1.Geological software & hardware 2.Logging analysis equipment			

Work Category	:	SG2	Geophysical Services
		SG2 01	Magnetic & Gravity Survey
		SG2010100	Magnetic & Gravity Survey – Aerial

Work Category's Description : The provision of personnel, equipment & services for aeromagnetic & gravity data acquisition, processing & interpretation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Logistic Coordinator	SPM or equivalent	Minimum 3 years in oil & gas exploration & production	Manned office setup Acquisition, processing and interpretation facilities	Gravity and magnetic acquisition equipment	Minimum 5 years experience in gravity & magnetic survey		
<u>PRINCIPAL</u> Pilot cum/and party chief	Valid commercial pilot licence / Degree in Sc/Eng	Minimum 5 years in gravity & magnetic survey					

Work Category	:	SG2	Geophysical Services
		SG2 01	Magnetic & Gravity Survey
		SG2010100	Magnetic & Gravity Survey – Aerial

Work Category's Description : The provision of personnel, equipment & services for aeromagnetic & gravity data acquisition, processing & interpretation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Logistic Coordinator	SPM or equivalent	Minimum 3 years in oil & gas exploration & production	Manned office setup Acquisition, processing and interpretation facilities	Gravity and magnetic acquisition equipment			
Pilot cum/and party chief	Valid commercial pilot licence / Degree in Sc/Eng	Minimum 5 years in gravity & magnetic survey					

Work Category	:	SG2	Geophysical Services
		SG2 01	Magnetic & Gravity Survey
		SG2010400	Magnetic & Gravity Data Interpretation

Work Category's Description : The provision of personnel, equipment & services for magnetic & gravity data processing/reprocessing and interpretation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Gravity and magnetic processing & interpretation software	Minimum 3 years experience in gravity and magnetic processing & interpretation		
<u>PRINCIPAL</u> Supervisor	Degree in Sc/Eng	Minimum 5 years experience in gravity and magnetic processing & interpretation	Processing centre				

Work Category	:	SG2	Geophysical Services
		SG2 01	Magnetic & Gravity Survey
		SG2010400	Magnetic & Gravity Data Interpretation

Work Category's Description : The provision of personnel, equipment & services for magnetic & gravity data processing/reprocessing and interpretation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	1. Manned office setup 2. Processing centre	Gravity and magnetic processing & interpretation software			
Supervisor	Degree in Sc/Eng	Minimum 5 years experience in gravity and magnetic processing & interpretation					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020101	Marine Seismic Data Acquisition -2D

Work Category's Description : Provision of personnel, equipment & services for 2D marine seismic data acquisition

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
AGENT Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	PRINCIPAL List of seismic vessel & equipment	PRINCIPAL Minimum 3 years experience or at least 5 projects successfully completed in marine seismic data acquisition	PRINCIPAL Certificate of seismic vessel International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020101	Marine Seismic Data Acquisition -2D

Work Category's Description : Provision of personnel, equipment & services for 2D marine seismic data acquisition

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Sc/Eng	Minimum 7 years experience in marine seismic data acquisition	1. Manned office setup 2. Warehouse (owned/lease)	List of seismic vessel & equipment		Certificate of seismic vessel International Association of Geophysical Contractors (IAGC)	
Sr. Observer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Navigator	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Engineer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. QC	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020102	Marine Seismic Data Acquisition -3D/4D

Work Category's Description : Provision of personnel, equipment & services for 3D/4D marine seismic data acquisition

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> List of seismic vessel & equipment	<u>PRINCIPAL</u> Minimum 5 years experience or at least 5 projects successfully completed in marine seismic data acquisition	<u>PRINCIPAL</u> Certificate of seismic vessel International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020102	Marine Seismic Data Acquisition - 3D/4D

Work Category's Description : Provision of personnel, equipment & services for 3D/4D marine seismic data acquisition

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Sc/Eng	Minimum 7 years experience in marine seismic data acquisition	1. Manned office setup 2. Warehouse (owned/lease)	List of seismic vessel & equipment		Certificate of seismic vessel International Association of Geophysical Contractors (IAGC)	
Sr. Observer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr, Navigator	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Engineer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. QC	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020103	Multicomponent Seismic Acquisition

Work Category's Description : Provision of personnel, equipment & services for multi-component seismic data acquisition (i.e. OBC,OBN & OBS)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
AGENT Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	PRINCIPAL List of seismic vessel & equipment	PRINCIPAL Minimum 3 years experience or at least 3 projects successfully completed in multicomponent seismic acquisition	PRINCIPAL International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020103	Multicomponent Seismic Acquisition

Work Category's Description : Provision of personnel, equipment & services for multi-component seismic data acquisition (i.e. OBC,OBN & OBS)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Sc/Eng	Minimum 7 years experience in marine seismic data acquisition	1. Manned office setup 2. Warehouse (owned/lease)	List of multi-component equipment		International Association of Geophysical Contractors (IAGC)	
Sr. Observer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Navigator	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Engineer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. QC	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020104	Transition Zone Seismic Data Acquisition

Work Category's Description : Provision of personnel, equipment & services for transition zone (near shore <20m water depth) seismic data acquisition

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
AGENT Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> List of transition zone seismic acquisition equipment	<u>PRINCIPAL</u> Minimum 5 years experience or at least 5 projects successfully completed in transition zone seismic data acquisition	<u>PRINCIPAL</u> International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 01	Marine Seismic Data Acquisition
		SG2020104	Transition Zone Seismic Data Acquisition

Work Category's Description : Provision of personnel, equipment & services for transition zone (near shore <20m water depth) seismic data acquisition

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Sc/Eng	Minimum 7 years experience in marine seismic data acquisition	1. Manned office setup 2. Warehouse (owned/lease)	List of transition zone seismic acquisition equipment		International Association of Geophysical Contractors (IAGC)	
Sr. Observer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Navigator	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. Engineer	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					
Sr. QC	Degree in Sc/Eng	Minimum 5 years experience in marine seismic data acquisition					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020200	Land Seismic Data Acquisition

Work Category's Description : Provision of personnel, equipment & services for 2D & 3D land seismic data acquisition

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> List of land seismic acquisition equipment	<u>PRINCIPAL</u> Minimum 5 years experience or at least 5 projects successfully completed in land seismic data acquisition	<u>PRINCIPAL</u> International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020200	Land Seismic Data Acquisition

Work Category's Description : Provision of personnel, equipment & services for 2D & 3D land seismic data acquisition

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Sc/Eng	Minimum 7 years experience in land seismic data acquisition	1. Manned office setup 2. Warehouse (owned/lease)	List of land seismic acquisition equipment		International Association of Geophysical Contractors (IAGC)	
Sr. Observer	Degree in Sc/Eng	Minimum 7 years experience in land seismic data acquisition					
Sr. Navigator	Degree in Sc/Eng	Minimum 7 years experience in land seismic data acquisition					
Sr. QC	Degree in Sc/Eng	Minimum 7 years experience in land seismic data acquisition					
Sr. HSE Personnel	Degree in Sc/Eng	Minimum 7 years experience in oil & gas industry					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020300	Seismic Data Processing / Reprocessing

Work Category's Description : The provision of personnel, equipment & services for seismic data processing/reprocessing

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	<u>AGENT</u> Manned office setup <u>PRINCIPAL</u> Processing center in Malaysia	<u>PRINCIPAL</u> List of processing software and hardware	<u>PRINCIPAL</u> Minimum 5 years experience or at least 5 projects successfully completed in seismic data processing	<u>PRINCIPAL</u> International Association of Geophysical Contractors (IAGC)	

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020300	Seismic Data Processing / Reprocessing

Work Category's Description : The provision of personnel, equipment & services for seismic data processing/reprocessing

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Center Manager	Degree in Sc/Eng	Minimum 10 years experience in seismic data processing					
Processing supervisor	Degree in Sc/Eng	Minimum 7 years experience in seismic data processing					
Group leader	Degree in Sc/Eng	Minimum 5 years experience in seismic data processing					

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020400	G&G Data Interpretation Services

Work Category's Description : The provision of personnel, equipment & services for G&G data interpretation services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup				
<u>PRINCIPAL</u> Senior G&G Interpreter	Degree in Geology / Geophysics / Physics or equivalent	Minimum 7 years experience in G&G data interpretation		G&G data interpretation software and hardware	Minimum 5 years experience or at least 5 projects successfully completed in G&G data interpretation services		

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020400	G&G Data Interpretation Services

Work Category's Description : The provision of personnel, equipment & services for G&G data interpretation services

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Senior G&G Interpreter	Degree in Geology / Geophysics / Physics or equivalent	Minimum 7 years experience in G&G data interpretation	Manned office setup	G&G data interpretation software and hardware			

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020500	G&G Interpretation/Mapping Systems

Work Category's Description : The provision of purchase/lease of equipment & maintenance services for G&G Interpretation/mapping systems

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Software Engineer	Degree in Science / Engineering	Minimum 5 years in maintenance of Geological & Geophysical Software	Manned office setup				
<u>PRINCIPAL</u> Software Specialist	Degree in Science / Engineering	Minimum 5 years in Geological & Geophysical software development & maintenance	Software R&D facilities		Minimum 3 years experience in G&G software development		

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2020500	G&G Interpretation/Mapping Systems

Work Category's Description : The provision of purchase/lease of equipment & maintenance services for G&G Interpretation/mapping systems

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Software Specialist	Degree in Science / Engineering	Minimum 5 years in Geological & Geophysical software development & maintenance	Software R&D facilities				

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 06	Seismic Modelling
		SG2020602	Seismic Modelling System

Work Category's Description : The provision of personnel, equipment & services for seismic modelling services (e.g. seismic inversion, AVO, rock property inversion)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup				
<u>PRINCIPAL</u> Senior Quantitative Interpreter	Degree in Geology / Geophysics / Physics or equivalent	Minimum 10 years experience in Quantitative Interpretation		Quantitative Interpretation software and hardware	Minimum 5 years experience or at least 5 projects successfully completed in Quantitative Interpretation Services		

Work Category	:	SG2	Geophysical Services
		SG2 02	Seismic Services
		SG2 02 06	Seismic Modelling
		SG2020602	Seismic Modelling System

Work Category's Description : The provision of personnel, equipment & services for seismic modelling services (e.g. seismic inversion, AVO, rock property inversion)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Senior Quantitative Interpreter	Degree in Geology / Geophysics / Physics or equivalent	Minimum 10 years experience in Quantitative Interpretation		Quantitative Interpretation software and hardware			

Work Category : **SG2** **Geophysical Services**
SG2 03 **Electromagnetic Data Acquisition**
SG2030100 **Electromagnetic Survey – Land**

Work Category's Description : Provision of personnel, equipment & services for land electromagnetic data acquisition, processing and interpretation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Land electromagnetic acquisition, processing & interpretation equipment	<u>PRINCIPAL</u> Minimum 5 years experience or have at least 5 projects successfully completed in land electromagnetic survey		

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030100	Electromagnetic Survey – Land

Work Category's Description : Provision of personnel, equipment & services for land electromagnetic data acquisition, processing and interpretation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Land electromagnetic acquisition, processing & interpretation equipment			

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030200	Electromagnetic Survey – Marine

Work Category's Description : Provision of personnel, equipment & services for marine electromagnetic data acquisition, processing and interpretation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Marine electromagnetic acquisition, processing & interpretation equipment	<u>PRINCIPAL</u> Minimum 3 years experience or have at least 3 projects successfully completed in marine electromagnetic survey		

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030200	Electromagnetic Survey – Marine

Work Category's Description : Provision of personnel, equipment & services for marine electromagnetic data acquisition, processing and interpretation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Marine electromagnetic acquisition, processing & interpretation equipment			

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030300	Electromagnetic Data Processing / Reprocessing

Work Category's Description : The provision of personnel, equipment & services for electromagnetic data processing / reprocessing and interpretation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Electromagnetic processing / reprocessing & interpretation equipment and software	<u>PRINCIPAL</u> Minimum 3 years experience or have at least 3 projects successfully completed in electromagnetic processing / reprocessing		

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030300	Electromagnetic Data Processing / Reprocessing

Work Category's Description : The provision of personnel, equipment & services for electromagnetic data processing / reprocessing and interpretation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Electromagnetic processing / reprocessing & interpretation equipment and software			

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030400	Electromagnetic Feasibility Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose an optimal survey design to acquire and process electromagnetic data

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Electromagnetic modeling & interpretation equipment and software	<u>PRINCIPAL</u> Minimum 3 years experience or have at least 3 projects successfully completed in electromagnetic feasibility study		

Work Category	:	SG2	Geophysical Services
		SG2 03	Electromagnetic Data Acquisition
		SG2030400	Electromagnetic Feasibility Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose an optimal survey design to acquire and process electromagnetic data

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Electromagnetic modeling & interpretation equipment and software			

Work Category	:	SG2	Geophysical Services
		SG2 05	General Geophysical Data Services
		SG2050100	Geological & Geophysical Data Storage

Work Category's Description : The provision of services for geological & geophysical data storage (e.g. core, fluid, cutting sample, seismic, navigation, gravity, magnetic, electromagnetic, etc.)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Warehouse supervisor	O-level/SPM equivalent	5 years relevant experience	Climatic controlled (temperature & humidity) warehouse in Malaysia & large enough for tapes and geological sample (rock & fluid) with security services	Fire & Flood protection system, tape management database			

Work Category	:	SG2	Geophysical Services
		SG2 05	General Geophysical Data Services
		SG2050200	Other Geological & Geophysical Services

Work Category's Description : The provision of services for tape copying, digitising, plotting, formatting, scanning, vectorising, & etc.

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Degree	5 years relevant experience	Secured center in Malaysia	Tape recovery equipment, tape-copying system, plotter, analog-to-digital conversion hardware & software			

Work Category	:	SG2	Geophysical Services
		SG2060000	Geophysical Feasibility Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose optimal solution to acquire and process geophysical data. (e.g. Time-lapse, multi-component, reservoir characterization, illumination, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	<u>PRINCIPAL</u> Geophysical modeling, interpretation and analysis equipment and software	<u>PRINCIPAL</u> Minimum 3 years experience or have at least 3 projects successfully completed in geophysical feasibility study		

Work Category	:	SG2	Geophysical Services
		SG2060000	Geophysical Feasibility Study

Work Category's Description : The provision of personnel & equipment to conduct study and propose optimal solution to acquire and process geophysical data. (e.g. Time-lapse, multi-component, reservoir characterization, illumination, etc.)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup	Geophysical modeling, interpretation and analysis equipment and software			

Work Category	:	SG3	GEOMATICS SERVICES
		SG3 01	General Survey
		SG3010100	Oceanographic Survey

Work Category's Description : Provision of personnel, equipment & services (including analysis, study and advice) to collect and analyze metocean data

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup				
<u>PRINCIPAL</u> Principal Oceanographer	Degree in Sc/Eng	Minimum 5 years experience providing metocean consultancy work and studies.	Processing centre	Oceanographic measuring instruments & interpretation software	Minimum 5 years experience in metocean consultancy work and studies.		

Work Category	:	SG3	GEOMATICS SERVICES
		SG3 01	General Survey
		SG3010100	Oceanographic Survey

Work Category's Description : Provision of personnel, equipment & services (including analysis, study and advice) to collect and analyze metocean data

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Principal Oceanographer	Degree in Sc/Eng	Minimum 5 years experience providing metocean consultancy work and studies.	Processing centre	Oceanographic measuring instruments & interpretation software			

Work Category : SG3 GEOMATICS SERVICES
SG3 01 General Survey
SG3010400 Meteorological Services

Work Category's Description : Provision of personnel, equipment & services (including analysis, study and advice) to provide weather forecast report and studies

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
<u>AGENT</u> Business Development Manager	Degree in any discipline	Minimum 3 years experience in oil & gas exploration & production	Manned office setup				
<u>PRINCIPAL</u> Meteorologist	Degree in Sc/Eng	Minimum 5 years experience providing weather forecast and meteorological studies	Forecast Processing centre	Meteorological data receiver, processors and interpretation system	Minimum 5 years experience in providing weather forecast services		

Work Category	:	SG3	GEOMATICS SERVICES
		SG3 01	General Survey
		SG3010400	Meteorological Services

Work Category's Description : Provision of personnel, equipment & services (including analysis, study and advice) to provide weather forecast report and studies

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Meteorologist	Degree in Sc/Eng	Minimum 5 years experience providing weather forecast and meteorological studies	Forecast Processing centre	Meteorological data receiver, processors and interpretation system			

Work Category : **SG3** **GEOMATICS SERVICES**
SG3 02 **Positioning**
SG3020100 **Offshore**

Work Category's Description : Provision of personnel, equipment & services to determine the position for drilling, engineering and seismic activities (offshore), Vessel

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Survey Manager	Degree in Geomatics or equivalents	Minimum 8 years in oil & gas exploration & production (positioning)	1.Manned office setup 2.Warehouse / Workshop	Navigation / positioning suite, data recording & processing equipment		International Marine Contractors Association (IMCA) / Oil & Gas Producer Association (OGP)	
Sr. Surveyor	Diploma in Geomatics or equivalents	Minimum 5 years in oil & gas exploration & production (positioning)					
Sr. Engineer	Diploma in Electronics / Instrumentation Eng.	Minimum 5 years in oil & gas exploration & production (positioning)					

Work Category : SG3 GEOMATICS SERVICES
SG3 02 Positioning
SG3020200 Onshore

Work Category's Description : Provision of personnel, equipment & services to determine the position for drilling, engineering and seismic activities (onshore)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Survey Manager	Degree in Geomatics or equivalents	Minimum 8 years in oil & gas exploration & production (positioning)	1.Manned office setup 2.Warehouse / Workshop	Surveying & positioning equipment, data recording & processing equipment			
Sr. Surveyor	Diploma in Geomatics or equivalents	Minimum 5 years in oil & gas exploration & production (positioning)					
Sr. Engineer	Diploma in Electronics / Instrumentation Eng.	Minimum 5 years in oil & gas exploration & production (positioning)					

Work Category : **SG3** **GEOMATICS SERVICES**
SG3 03 **Site Investigation**
SG3030100 **Marine Geohazard Investigation**

Work Category's Description : Provision of personnel, equipment & services for analogue [bathymetry, side scan sonar, sub-bottom profiler], digital survey & drop core

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Geosciences /Sc.	Minimum 8 years in oil & gas exploration & production geophysical survey					
Sr. Surveyor	Diploma in Geomatics or equivalents	Minimum 5 years in oil & gas exploration & production geophysical survey					
Sr. Geophysicist	Degree in Geosciences /Sc.	Minimum 8 years in oil & gas exploration & production geophysical survey		1.Survey Vessel (Owned/Long Term Leased) 2.Surveying & positioning equipment 3.Data recording & processing equipment 4.Geophysical equipment			

Work Category	:	SG3	GEOMATICS SERVICES
		SG3 03	Site Investigation
		SG3030200	Onshore Geohazard Investigation

Work Category's Description : Provision of personnel, equipment & services for topographical data for Well, Platform & Pipeline onshore geohazard investigation,

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Party Chief	Degree in Geosciences /Sc.	Minimum 8 years in oil & gas exploration & production geophysical survey					
Sr. Surveyor	Diploma in Geomatics or equivalents	Minimum 5 years in oil & gas exploration & production geophysical survey					
Sr. Geophysicist	Degree in Geosciences /Sc.	Minimum 8 years in oil & gas exploration & production geophysical survey					

Work Category	:	SG3	GEOMATICS SERVICES
		SG3040000	Remote Sensing

Work Category's Description : Provision of personnel, equipment & services for acquisition of remote sensing data (satellite, radar images) & services for geological,

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Sr. Geoscientist	Degree in Science / Engineering	Minimum 5 years in remote sensing	Manned office setup complete with processing facilities	Data processing system			
Sr. Data Analyst	Degree in Science / Engineering	Minimum 5 years in remote sensing					

Work Category	:	SH2	HEALTH, SAFETY, ENVIRONMENT (HSE) & SECURITY
		SH2030000	Decontamination Services

Work Category's Description : The provision of manpower, materials, consumables and equipment for decontamination services (e.g. biological/chemical/radioactive contamination)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Subject Matter Expert	Degree in Engineering/ Science	Minimum 5 years experiences in decontamination services	1.Manned and permanent office setup 2.Warehouse	1. Relevant decontamination tools and equipment 2. Spraying Equipment 3. Hydrojet 4. Receptacle (Storage Tank)			
Technician	Diploma in Engineering/ Science	Minimum 3 years experiences in decontamination services					

Work Category	:	SH2 SH2040000	HEALTH, SAFETY, ENVIRONMENT (HSE) & SECURITY Mercury Integrated Services
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Work Category's Description : The provision of manpower, material, equipment, consumables and disposal for mercury integrated services inclusive of comprehensive HAZMAT (mercury) training, mercury mapping/survey, offline mercury decontamination, mercury waste handling, mercury HAZMAT supervision (monitoring), non-biological mercury analysis and Mercury Removal Unit (MRU) monitoring

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering / Sciences	Minimum 7 years working experience with minimum 3 years experience in mercury monitoring, mercury mapping and assessment study, MRU profiling study and mercury clean-up and decontamination activities	Manned and permanent office setup Analytical laboratory for analysis of organic & inorganic samples (from water, solids, gas and hydrocarbon), industrial hygiene and biological samples.	1. Laboratory equipment for sample analysis i.e. ICP-MS, Cold Vapor Atomic Fluorescence, Coupled Plasma-Mass Spectrometry, Atomic Absorption Spectrophotometry, Atomic Fluorescence Spectroscopy 2. Direct reading equipment i.e. mercury vapor analyzer 3. Colorimetric detector tubes 4. Self contained breathing apparatus and chemical suits		Laboratory Accreditation Scheme of Malaysia (SAMM) to ISO/IEC 17025	
Chemist	Degree in Chemistry / Chemical Engineering / Industrial Chemistry Associate Member with Institut Kimia Malaysia	Minimum 5 years experience working as a chemist					

Field Technician	Diploma in Engineering/ Science	Minimum 3 years experience in mercury management services		5. Portable decontamination equipment and station i.e. shower, boot wash bath, portable hand sprayer/backpack sprayer 6. Mercury vacuum cleaners 7. Decontamination equipment and station i.e. shower, boot wash bath, portable hand sprayer/ backpack sprayer			
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Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 01	Actuated Valves
		SI2010700	Hydraulic Actuated Valve

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Hydraulic Actuated Valve

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in valve sizing, selection and servicing , trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Machining Equipment 5.Software/Tools for diagnostic	Principal to have minimum 10 years experience in O&G valve related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in valve servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 01	Actuated Valves
		SI2010700	Hydraulic Actuated Valve

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Hydraulic Actuated Valve

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in valve sizing, selection and servicing	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Machining Equipment 5.Software/Tools			
Technician	N/A	Minimum 5 years experience in valve servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 01	Actuated Valves
		SI2010800	Thermostatic Valves

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Thermostatic Valves

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in valve sizing, selection and servicing , trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Machining Equipment 5.Software/Tools for diagnostic	Principal to have minimum 10 years experience in O&G valve related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in valve servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 01	Actuated Valves
		SI2010800	Thermostatic Valves

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Thermostatic Valves

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 5 years experience in valve sizing, selection and servicing , trained and certified from Principal	1.Manned and permanent office setup 2.Workshop 3.Warehouse	1.Hand tools 2.Calibrators 3.Heavy Lifting Equipment 4.Test Equipment 5.Machining Equipment			
Technician	Trained and certified by Principal	Minimum 7 years experience in valve servicing					
QA/QC Engineer	Degree in any Engineering field	Minimum 5 years experience doing QA/QC and Factory Acceptance Test (FAT)					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 01	Actuated Valves
		SI2011000	Special Application Valve

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Special Application Valve such as Cryogenic valve, Severe Service valve, Special design Valve, Oxygen Service valve

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in valve sizing, selection and servicing , trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Machining Equipment 5.Software /Tools for diagnostic	Principal to have minimum 10 years experience in O&G valve related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in valve servicing					

Work Category	:	SI2 SI2 01 SI2011000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Actuated Valves Special Application Valve
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Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Special Application Valve such as Cryogenic valve, Severe Service valve, Special design Valve, Oxygen Service valve

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in valve sizing, selection and servicing	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Machining Equipment 5.Software /Tools			
Technician	N/A	Minimum 5 years experience in valve servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030200	DCS & PLC

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Digital Control System (DCS) and Programmable Logic Controller (PLC)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Distributed Control System (DCS) and Sub System Integration, configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G DCS & PLC related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in DCS & PLC servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030200	DCS & PLC

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Digital Control System (DCS) and Programmable Logic Controller (PLC)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Distributed Control System (DCS) and Sub System Integration, configuration and troubleshooting	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	N/A	Minimum 5 years experience in DCS & PLC servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030500	Safeguarding / Safety System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Safeguarding / Safety System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Safeguarding / Safety System and Sub System Integration, configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G Safeguarding / Safety System related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Safeguarding / Safety System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030500	Safeguarding / Safety System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Safeguarding / Safety System

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Safeguarding / Safety System and Sub System Integration, configuration and troubleshooting	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	N/A	Minimum 5 years experience in Safeguarding / Safety System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030600	Turbo Machineries Instrument

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Turbo Machineries Instrument

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Turbo Machineries Instrument System Integration, configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in Turbo Machineries Instrument related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Turbo Machineries Instrument system servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 03	Electronic/Digital Instrumentation/Systems
		SI2030600	Turbo Machineries Instrument

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Turbo Machineries Instrument

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Turbo Machineries Instrument System Integration, configuration and troubleshooting	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	N/A	Minimum 5 years experience in Turbo Machineries Instrument system servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050701	General Analyser/QMI Process Instruments, Analyzer House and Sampling System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of General Analyser / QMI Process Instruments Including liquid & gas analyser application such as mercury, H2S, CO2 , portable analyzer and Analyzer Shelter / House

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Analyser/QMI Process Instruments, Analyzer House and Sampling System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G for General Analyser/QMI Process Instruments, Analyzer House and Sampling System related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Analyser/QMI Process Instruments, Analyzer House and Sampling System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050701	General Analyser/QMI Process Instruments, Analyzer House and Sampling System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of General Analyser / QMI Process Instruments Including liquid & gas analyser application such as mercury, H2S, CO2 , portable analyzer and Analyzer Shelter / House

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Analyser/QMI Process Instruments, Analyzer House and Sampling System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Analyser/QMI Process Instruments, Analyzer House and Sampling System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050702	Gas Chromatograph and Sampling System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Gas Chromatograph and Sampling System

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Gas Chromatograph and Sampling System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G for Gas Chromatograph and Sampling System related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Gas Chromatograph and Sampling System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050702	Gas Chromatograph and Sampling System

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Gas Chromatograph and Sampling System

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Gas Chromatograph and Sampling System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Gas Chromatograph and Sampling System servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050703	Continuous Emission Monitoring System (CEMS) and sampling system

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Continuous Emission Monitoring System (CEMS) and sampling system

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Continuous Emission Monitoring System (CEMS) and sampling system configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G for Continuous Emission Monitoring System (CEMS) and sampling system related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Continuous Emission Monitoring System (CEMS) and sampling system servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050703	Continuous Emission Monitoring System (CEMS) and sampling system

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Continuous Emission Monitoring System (CEMS) and sampling system

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Continuous Emission Monitoring System (CEMS) and sampling system configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Continuous Emission Monitoring System (CEMS) and sampling system servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050704	Specialized Analyzer

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Specialized Analyzer E.g. mass spectrometer, Tunable Laser Diode (TLD), Near Infrared (NIR) and etc

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Specialized Analyzer configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in O&G for Specialized Analyzer related works		
Technician	Trained and certified by Principal	Minimum 5 years experience in Specialized Analyzer servicing					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 05	Field Instrumentation Maintenance
		SI2 05 07	Analyser/QMI Process Instruments and Sampling System
		SI2050704	Specialized Analyzer

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Specialized Analyzer E.g. mass spectrometer, Tunable Laser Diode (TLD), Near Infrared (NIR) and etc

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Specialized Analyzer configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Specialized Analyzer servicing					

Work Category	:	SI2 SI2090000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Radioactive Based Instrument Maintenance
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Work Category's Description : The provision of labour, consumables, equipment and Facilities in Malaysia necessary for testing, calibration, repair, replacement, transportation and removal of Radioactive Based Instrument

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
						AELB Class D, E & F Or AELB Class A	

Work Category	:	SI2 SI2090000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Radioactive Based Instrument Maintenance
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Work Category's Description : The provision of labour, consumables, equipment and Facilities in Malaysia necessary for testing, calibration, repair, replacement, transportation and removal of Radioactive Based Instrument

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
						1.Business License from Local Authority 2.AELB Class A	1.Radiation Safety Management System

Work Category	:	SI2 SI2 10 SI2100100	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Telecommunication Services Network Design, Configuration & Installation And Maintenance For Secured Voice & Data Communication And Facilities In Malaysia
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Work Category's Description : The provision of labor, materials, consumables, equipment and Facilities in Malaysia necessary for repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of secured voice and data communication network.

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Network Design, Configuration & Installation And Maintenance For Secured Voice & Data Communication	Manned and permanent office setup	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Network Design, Configuration & Installation And Maintenance For Secured Voice & Data Communication					

Work Category	:	SI2	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE
		SI2 10	Telecommunication Services
		SI2100200	Telecommunication System Leased Services

Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for design, repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Telecommunication System Leased Services (e.g. VSAT, Fibre Optic, DTRS, etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Telecommunication System Leased Services	Manned and permanent office setup	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Telecommunication System Leased Services					

Work Category	:	SI2 SI2110000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Security Equipment and Surveillance System Maintenance
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Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for design, repair, upgrading, change out / replacement, modification, maintenance, troubleshooting, testing and commissioning of Security Equipment and Surveillance System Maintenance (e.g. Access control, CCTV, PAGA, etc)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Security Equipment and Surveillance System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic	Principal to have minimum 10 years experience in Security Equipment and Surveillance System Maintenance		
Technician	Trained and certified by Principal	Minimum 5 years experience in Security Equipment and Surveillance System servicing					

Work Category	:	SI2 SI2110000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE Security Equipment and Surveillance System Maintenance
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Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for design, repair, upgrading, change out / replacement, modification, maintenance, troubleshooting, testing and commissioning of Security Equipment and Surveillance System Maintenance (e.g. Access control, CCTV, PAGA, etc)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in any Engineering field	Minimum 3 years experience in Security Equipment and Surveillance System configuration and troubleshooting, trained and certified from Principal	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Trained and certified by Principal	Minimum 5 years experience in Security Equipment and Surveillance System servicing					

Work Category	:	SI2 SI2120000	INSTRUMENTATION / CONTROL ENGINEERING & MAINTENANCE General Instrument Maintenance
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Work Category's Description : The provision of labour, materials, consumables, equipment and Facilities in Malaysia necessary for design, repair, upgrading, change out / replacement, modification, maintenance, troubleshooting, testing and commissioning of general instrument maintenance

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project /Field Service Engineer	Degree in relevant Engineering field	Minimum 3 years experience in general instrument maintenance	1.Manned and permanent office setup 2.Workshop	1.Hand tools 2.Calibrators 3.Test Equipment 4.Software / Tools for diagnostic			
Technician	Certificate in relevant engineering field	Minimum 5 years experience in general instrument maintenance					

Work Category	:	SL2	LEASING & RENTAL
		SL2 03	Mobile Crane Services
		SL2030200	Heavy Lift Services (> 300 tonnes)

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Lifting Engineer	Degree in Mechanical / Civil Engineering	5 years experience in heavy lifting work	Proper office & operational workshop	1. Crane 300 tones 2. DOSH - Valid certificate of fitness (Perakuan Kelayakan Mesin Angkat - PMA)			
Crane driver /operator	DOSH registration for crane operator	5 years experience in crane operation					

Work Category	:	SM2 SM202 SM2021200	MANPOWER SUPPLY Skilled Manpower Drilling, Completion and Workover Support Staff
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Work Category’s Description : The provision of Drilling, Completion and Workover Support Staff

Mode of Operation : Self operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	5 years in oil & gas industry	Office setup in Malaysia				

Work Category	:	SM2 SM203 SM2031300	MANPOWER SUPPLY Specialist Manpower Drilling, Completion and Workover Specialist
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Work Category’s Description : The provision of Drilling, Completion and Workover Specialist

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in any engineering discipline	5 years in oil & gas industry	Office setup in Malaysia				

Work Category	:	SM2 SM2 03 SM2031600	GEOMATICS SERVICES Specialist Manpower Geoscience Specialist
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Work Category’s Description : The provision of geoscience specialist

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Sc./Eng.	5 years in oil & gas industry	Manned office setup				

Work Category : SM3041100 - MARINE TRANSPORTATION & SUPPORT SERVICES - Marine Operation Services - Classification Society Survey
Work Description : The provision of carrying out classification for offshore structure
Modus Operandi : Self-Operated

MINIMUM TECHNICAL REQUIREMENT								
KEY PERSONNEL				Facilities E.g. Warehouse, Dockyard	Equipment/ Machineries (Owned) e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. ISO, API Standard
Position Title	Min no of Key Personnel	Qualification	Experience					
Lead / Senior Engineer	1	Master in any relevent engineering discipline, preferably Naval Architecture / Marine Engineering/ Mechanical Engineering/Structural/ Riser Engineering / Pipeline Engineering	10 years experience in offshore structure clasification i.e: FSO, FPSO, FPS etc	Proper office setup	The company to provide the list of engineering workstation / hardware and relevant software and program to conduct classification *Company to provide list of software(s) and copy of the software license(s).			

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010101	Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat- Anchor Handling Tug (AHT)

Work Category's Description : The provision of AHT / AHTS / Tow Tug Boat 100 tonne and below bollard pull including personnel to supply oil rigs, transport liquid / bulk cargo,

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel from Malaysian Ship Registry 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010102	Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat- Anchor Handling Tug (AHT)

Work Category's Description : Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat above 100 tonne bollard pull

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel of above 100 tonne bollard pull		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Minimum one Bollard pull certificate of the category	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010102	Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat- Anchor Handling Tug (AHT)

Work Category's Description : Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat above 100 tonne bollard pull

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel of above 100 tonne bollard pull		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Minimum one Bollard pull certificate of the category	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010102	Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat- Anchor Handling Tug (AHT)

Work Category's Description : Anchor Handling Tug (AHT) / Anchor Handling Tug & Supply (AHTS) / Tow Tug Boat above 100 tonne bollard pull

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010201	Accommodation Work / Construction – Self- propelled Accommodation Vessel / Floatel / Work Boat

Work Category's Description : The provision of self-propelled Accommodation Vessel / Floatel / Work Boat including personnel to accommodate work personnel and crew with a

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel / floatel / work boat		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010201	Accommodation Work / Construction – Self- propelled Accommodation Vessel / Floatel / Work Boat

Work Category's Description : The provision of self-propelled Accommodation Vessel / Floatel / Work Boat including personnel to accommodate work personnel and crew with a

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel / floatel / work boat		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010201	Accommodation Work / Construction – Self- propelled Accommodation Vessel / Floatel / Work Boat

Work Category's Description : The provision of self-propelled Accommodation Vessel / Floatel / Work Boat including personnel to accommodate work personnel and crew with a

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel / floatel / work boat		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010202	Accommodation Work / Construction – Non-propelled Accommodation / Construction / Barge

Work Category's Description : The provision of non-propelled Accommodation / Construction Barge including personnel to accommodate work personnel and crew with a degree of

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel /construction/ barge		Principal must provide follow documents: 1.Certificate Registry of Vessel	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010202	Accommodation Work / Construction – Non-propelled Accommodation / Construction / Barge

Work Category's Description : The provision of non-propelled Accommodation / Construction Barge including personnel to accommodate work personnel and crew with a degree of

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel /construction/ barge		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010202	Accommodation Work / Construction – Non-propelled Accommodation / Construction / Barge

Work Category's Description : The provision of non-propelled Accommodation / Construction Barge including personnel to accommodate work personnel and crew with a degree of

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of vessel /construction/ barge		Owner must provide follow documents: 1.Certificate Registry of Vessel	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010301	Fast Crew Boat / Supply Crew Boat- Fast Crew Boat / Supply Crew Boat – 20 knot and below

Work Category's Description : The provision of Fast Crew Boat / Supply Crew Boat – 20 knot and below including personnel to provide personnel transportation from base to / from

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	List of fast / supply crew boat-20knot and below		Owner must provide follow documents: 1.Certificate Registry of Vessel from Malaysian Ship Registry 2.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010302	Fast Crew Boat / Supply Crew Boat- Fast Crew Boat / Supply Crew Boat – above 20 knot

Work Category's Description : The provision of Fast Crew Boat / Supply Crew Boat – above 20 knot including personnel to provide personnel transportation from base to / from

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	List of fast / supply crew boat- above 20knot		Owner must provide follow documents: 1.Certificate Registry of Vessel from Malaysian Ship Registry 2.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010400	Safety Standby / General Purpose / Utility Vessel

Work Category's Description : The provision of Safety Standby Vessel including personnel at location or within field to provide assistance to emergency demobilization of offshore

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010400	Safety Standby / General Purpose / Utility Vessel

Work Category's Description : The provision of Safety Standby Vessel including personnel at location or within field to provide assistance to emergency demobilization of offshore

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1. Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010400	Safety Standby / General Purpose / Utility Vessel

Work Category's Description : The provision of Safety Standby Vessel including personnel at location or within field to provide assistance to emergency demobilization of offshore

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010501	Supply Vessel- Straight Supply Vessel

Work Category's Description : The provision of Straight Supply Vessel including personnel to transport liquid / bulk cargo, stores, materials and equipment, or to transport personnel

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel from Malaysian Ship Registry 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010502	Supply Vessel- Straight Supply Vessel Platform Supply Vessel

Work Category's Description : The provision of Platform Supply Vessel including personnel to transport liquid / bulk cargo, stores, materials and equipment, or to transport personnel

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010502	Supply Vessel- Straight Supply Vessel Platform Supply Vessel

Work Category's Description : The provision of Platform Supply Vessel including personnel to transport liquid / bulk cargo, stores, materials and equipment, or to transport personnel

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010502	Supply Vessel- Straight Supply Vessel Platform Supply Vessel

Work Category's Description : The provision of Platform Supply Vessel including personnel to transport liquid / bulk cargo, stores, materials and equipment, or to transport personnel

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010700	Landing Craft Tank

Work Category's Description : The provision of Landing Craft Tank including personnel, specially designed to be flat-bottomed for transportation and supply of food, water and oil

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010700	Landing Craft Tank

Work Category's Description : The provision of Landing Craft Tank including personnel, specially designed to be flat-bottomed for transportation and supply of food, water and oil

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010700	Landing Craft Tank

Work Category's Description : The provision of Landing Craft Tank including personnel, specially designed to be flat-bottomed for transportation and supply of food, water and oil

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010800	Survey Vessel

Work Category's Description : The provision of Survey Vessel including personnel, designed and equipped to carry out survey at sea for the purpose of hydrography, general

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010800	Survey Vessel

Work Category's Description : The provision of Survey Vessel including personnel, designed and equipped to carry out survey at sea for the purpose of hydrography, general

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3010800	Survey Vessel

Work Category's Description : The provision of Survey Vessel including personnel, designed and equipped to carry out survey at sea for the purpose of hydrography, general

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011000	Tug Vessel

Work Category's Description : The provision of Offshore and/or Harbour Tug / Vessel including personnel to assist tankers / commercial vessel during off-take (FPSO or FSO).

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of tug / mooring vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011000	Tug Vessel

Work Category's Description : The provision of Offshore and/or Harbour Tug / Vessel including personnel to assist tankers / commercial vessel during off-take (FPSO or FSO).

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011000	Tug Vessel

Work Category's Description : The provision of Offshore and/or Harbour Tug / Vessel including personnel to assist tankers / commercial vessel during off-take (FPSO or FSO).

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011100	Dumb/Flat Top / Transportation Barge

Work Category's Description : The provision of Dumb / Flat Top / Transportation Barge including personnel to transport materials and equipments. It is a long, large, usually flat-

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of barge		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011100	Dumb/Flat Top / Transportation Barge

Work Category's Description : The provision of Dumb / Flat Top / Transportation Barge including personnel to transport materials and equipments. It is a long, large, usually flat-

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011100	Dumb/Flat Top / Transportation Barge

Work Category's Description : The provision of Dumb / Flat Top / Transportation Barge including personnel to transport materials and equipments. It is a long, large, usually flat-

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011200	Diving Support Vessel

Work Category's Description : The provision of Diving Support Vessel including personnel used as a floating base for professional diving projects below or around oil production

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011200	Diving Support Vessel

Work Category's Description : The provision of Diving Support Vessel including personnel used as a floating base for professional diving projects below or around oil production

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3011200	Diving Support Vessel

Work Category's Description : The provision of Diving Support Vessel including personnel used as a floating base for professional diving projects below or around oil production

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage 4.Vessel Specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012101	Chemical Tanker

Work Category's Description : The provision of chemical tankers and personnel for transportation, storage of chemical products

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of related vessel from Principal			

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012101	Chemical Tanker

Work Category's Description : The provision of chemical tankers and personnel for transportation, storage of chemical products

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012101	Chemical Tanker

Work Category's Description : The provision of chemical tankers and personnel for transportation, storage of chemical products

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012102	Crude Oil Tanker

Work Category's Description : The provision of crude oil tankers and personnel for transportation, storage of crude oil

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of related vessel from Principal			

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012102	Crude Oil Tanker

Work Category's Description : The provision of crude oil tankers and personnel for transportation, storage of crude oil

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012102	Crude Oil Tanker

Work Category's Description : The provision of crude oil tankers and personnel for transportation, storage of crude oil

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012103	LNG Tanker

Work Category's Description : The provision of LNG tankers and personnel for transportation, storage of LNG products

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012103	LNG Tanker

Work Category's Description : The provision of LNG tankers and personnel for transportation, storage of LNG products

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012104	LPG Tanker

Work Category's Description : The provision of LPG tankers and personnel for transportation, storage of LPG products

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012104	LPG Tanker

Work Category's Description : The provision of LPG tankers and personnel for transportation, storage of LPG products

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012105	Petroleum Product Tanker

Work Category's Description : The provision of Petroleum Product tankers and personnel for transportation, storage of Petroleum Product

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of related vessel from Principal			

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012105	Petroleum Product Tanker

Work Category's Description : The provision of Petroleum Product tankers and personnel for transportation, storage of Petroleum Product

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012105	Petroleum Product Tanker

Work Category's Description : The provision of Petroleum Product tankers and personnel for transportation, storage of Petroleum Product

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012106	Bulk Carrier

Work Category's Description : The provision of Bulk Carrier and personnel for transportation, storage of bulk materials

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012106	Bulk Carrier

Work Category's Description : The provision of Bulk Carrier and personnel for transportation, storage of bulk materials

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012107	Liner / Container Vessel

Work Category's Description : The provision of Liner / Container Vessel and personnel for transportation, storage of container

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	Letter of appointment from Owner to operator for each operated vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3 0121	Ship
		SM3012107	Liner / Container Vessel

Work Category's Description : The provision of Liner / Container Vessel and personnel for transportation, storage of container

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Document of Compliance (DOC) for above 500 Gross Tonnage 3.Safety Management Certificate (SMC) for above 500 Gross Tonnage	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3012600	Floating Liquid Mud Plant / Barge (FLMP)

Work Category's Description : The provision of Floating Liquid Mud Plant / Barge (FLMP) including personnel to provide liquid storage and facilities offshore for drilling operation. It

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.One valid exclusive appointment letter from Principal for one year 2.List of vessel		Principal must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3012600	Floating Liquid Mud Plant / Barge (FLMP)

Work Category's Description : The provision of Floating Liquid Mud Plant / Barge (FLMP) including personnel to provide liquid storage and facilities offshore for drilling operation. It

Mode of Operation : Vessel Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.Letter of appointment from Owner to operator for each vessel to operate 2.List of vessel		Vessel Operator must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge specification	

Work Category	:	SM3	MARINE TRANSPORTATION & SUPPORT SERVICES
		SM3 01	Marine Vessels
		SM3012600	Floating Liquid Mud Plant / Barge (FLMP)

Work Category's Description : The provision of Floating Liquid Mud Plant / Barge (FLMP) including personnel to provide liquid storage and facilities offshore for drilling operation. It

Mode of Operation : Vessel Owner Operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
			Manned Ship Management office setup	1.List of own vessel		Owner must provide follow documents: 1.Certificate Registry of Vessel 2.Vessel / barge specification	

Work Category : **SM5** **QUALITY ASSURANCE**
SM5 19 **Survival Craft**
SM5190100 **Single Fall**

Work Category's Description : Provision of servicing single fall survival craft

Sector Application : Upstream

Modus Operandi : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
Mechanical Engineer	Degree in Automotive/Marine Eng	3 yrs exp in marine activities and related field	Warehouse, Test pond,	Lifting equipment, hydro test machine, Nitrogen recharging machine, 6 ft cylinder rack (fit for offshore use), winch test bench	1 yr exp in marine activities and related field	DOSH - JKJ 112 (Kebenaran Memasang Jentera)	
Supervisor/ Technician	Certificate in related field	5 yrs exp in marine activities and related field					

Work Category : **SM5** **QUALITY ASSURANCE**
SM5 19 **Survival Craft**
SM5190200 **Twin Fall**

Work Category's Description : Provision of servicing twin fall survival craft

Sector Application : Upstream

Modus Operandi : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
Mechanical Engineer	Degree in Automotive/Marine Eng	3 yrs exp in marine activities and related field	Warehouse, Test pond,	Lifting equipment, hydro test machine, Nitrogen recharging machine, 6 ft cylinder rack (fit for offshore use), winch test bench	1 yr exp in marine activities and related field	DOSH - JKJ 112 (Kebenaran Memasang Jentera)	
Supervisor/ Technician	Certificate in related field	5 yrs exp in marine activities and related field					

Work Category : **SM5** **QUALITY ASSURANCE**
SM5 19 **Survival Craft**
SM5190300 **Free Fall**

Work Category's Description : Provision of servicing free fall survival craft

Sector Application : Upstream

Modus Operandi : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
Mechanical Engineer	Degree in Automotive/Marine Eng	3 yrs exp in marine activities and related field	Warehouse, Test pond,	Lifting equipment, hydro test machine,	1 yr exp in marine activities and related field	DOSH - JKJ 112 (Kebenaran Memasang Jentera)	
Supervisor/ Technician	Certificate in related field	5 yrs exp in marine activities and related field		Nitrogen recharging machine, 6 ft cylinder rack (fit for offshore use), winch test bench			

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 01	Stationary Equipment Repair & Maintenance
		SM5 01 01	Non-Atmospheric Storage Tank
		SM5010103	Cryogenic Storage Tank

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, repair, maintenance,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Proper office & operational workshop Stationary Equipment Repair & Maintenance	1. Waterjet /hydrojet 2. Air compressor 3. Access to lifting equipment 4. Hand tools			
Project Manager	Diploma in any Engineering discipline or Diploma in Civil / Mechanical Engineering	5 years experience in project management 5 years experience in tank maintenance & repair					
Project Engineer	Degree in Civil / Mechanical Engineering	5 years experience in tank maintenance & repair					
Site Supervisor	Certificate in engineering	5 years experience in tank maintenance & repair					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 01	Stationary Equipment Repair & Maintenance
		SM5010500	Furnaces & Fired Heaters

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, repair, maintenance,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer	Degree in Mechanical Engineering	3 years experience in static fired equipment repair & maintenance	Proper office & operational workshop	1. Waterjet /hydrojet 2. Air compressor 3. Access to lifting equipment 4. Hand tools 5. Generator set, 6. Welding set, 7. Ventilator			
Site Supervisor	Diploma in Mechanical Engineering Or Certificate in engineering	5 years experience in static fired equipment repair & maintenance Or 10 years experience in static fired equipment repair & maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 01	Stationary Equipment Repair & Maintenance
		SM5 01 08	Atmospheric Storage Tank
		SM5010801	Hygienic Cleaning

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for hygienic cleaning, calibration and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Diploma in any discipline	Shall have minimum 5 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Manager in Hygienic Cleaning works in the past 7 years in oil & gas or Minimum 7 years experience as Project Engineer in Hygienic Cleaning works in the past 7 years in oil & gas	Ownership/lease of the following facilities: 1. Proper office 2. Operational workshop	Ownership/lease of the following equipment: 1. High Pressure Waterjet 2. Air compressor 3. Hand tools 4. Proof Lighting 5. Pneumatic 20" and 24" Air Blower 6. Breathing Apparatus 7. Diaphragm pump	Minimum 3 completed Tank Hygienic Cleaning jobs in Oil & Gas industry for the last 7 years or Minimum 5 completed Vessel Maintenance jobs in Oil & Gas industry for the last 7 years	N/A	N/A

Project Engineer	Diploma in Engineering Discipline and Valid NIOSH Confined Space Certification	Shall have minimum 3 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Engineer in Hygienic Cleaning works in the past 7 years in oil & gas					
Site Supervisor	SPM or equivalent certificate in related field and Valid NIOSH Confined Space Certification	5 years experience as Site Supervisor in Mechanical Maintenance and Repair work					
Safety Officer	SPM or equivalent certificate in related field and registered DOSH green book	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 01	Stationary Equipment Repair & Maintenance
		SM5 01 08	Atmospheric Storage Tank
		SM5010802	Cleaning, Repair and Maintenance

Work Category's Description : Sequence of activities including cleaning/manual desludging of storage tank storing white products/media (other than crude oil,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Diploma in any Discipline	Shall have minimum 7 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Manager in Cleaning, Repair and Maintenance in the past 7 years in oil & gas or Minimum 7 years experience as Project Engineer in Cleaning, Repair and Maintenance in the past 7 years in oil & gas	Ownership/lease of the following facilities: 1. Proper office 2. Operational workshop 3. Fabrication yard	Ownership/lease of the following equipment: 1. High Pressure Waterjet 2. Air compressor 3. Hand tools 4. Proof Lighting 5. Pneumatic 20" and 24" Air Blower 6. Breathing Apparatus 7. Diaphragm pump 8. Welding Machine 9. Cranes 10. Blasting and Painting equipment	Minimum 2 tanks cleaning, repair & maintenance (including blasting, painting and hot work at tank shell and bottom plate) in Oil and Gas industry for the last 7 years or Minimum 2 tanks construction of storage tank and minimum 1 cleaning, repair & maintenance (including blasting, painting and hot work at tank shell and bottom plate)	N/A	N/A

Project Engineer	Diploma in Engineering Discipline and Valid NIOSH Confined Space Certification	Shall have minimum 5 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Engineer in Cleaning, Repair and Maintenance in the past 7 years in oil & gas
Site Supervisor	SPM or equivalent certificate in related field and Valid NIOSH Confined Space Certification	5 years experience as Site Supervisor in Mechanical Maintenance and Repair work
Safety Officer	SPM or equivalent certificate in related field and registered DOSH green book	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry

in Oil and Gas industry for the last 7 years or Minimum 5 completed Tank Hygienic Cleaning jobs and minimum 1 repair & maintenance (including blasting, painting and hot work at tank shell and bottom plate) in Oil & Gas industry for the last 7 years
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QA/QC Supervisor	Diploma / certificate in any Engineering discipline	QA/QC Supervisors shall have minimum 5 years experience in the oil & gas industry as a QA/QC supervisor in fabrication/repair of pressure vessels or storage tank or piping in mechanical field					
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Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 01	Stationary Equipment Repair & Maintenance
		SM5 01 08	Atmospheric Storage Tank
		SM5010803	Desludging, Recovery & Cleaning

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary to remove the sludge of black

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Diploma in any Discipline	Shall have minimum 7 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Manager in Desludging, Recovery and Cleaning works in the past 7 years in oil & gas or Minimum 7 years experience as Project Engineer in Desludging, Recovery and Cleaning works in the past 7 years in oil & gas	Ownership/lease of the following facilities: 1. Proper office 2. Operational workshop	Ownership/lease of the following equipment: 1. High Pressure Waterjet 2. Air compressor 3. Hand tools 4. Proof Lighting 5. Pneumatic 20" and 24" Air Blower 6. Breathing Apparatus 7. Diaphragm pump 8. Centrifuge/ Phase Separator 9. Mechanize hydraulically operated sludge removing equipment	Minimum 1 crude oil storage tank job in desludging and cleaning activities in Oil & Gas industry for the last 7 years or Minimum 5 tanks cleaning, repair & maintenance (including blasting, painting and hot work at tank shell and bottom plate) in Oil and Gas industry for the last 7 years	N/A	N/A

Project Engineer	Diploma in Engineering Discipline and Valid NIOSH Confined Space Certification	Shall have minimum 5 years experience in oil & gas industry in mechanical work and Involved in a minimum of 1 Tank job as a Project Engineer in Desludging, Recovery and Cleaning works in the past 7 years in oil & gas
Site Supervisor	SPM or equivalent certificate in related field and Valid NIOSH Confined Space Certification	5 years experience as Site Supervisor in Mechanical Maintenance and Repair work
Safety Officer	SPM or equivalent certificate in related field and registered DOSH green book	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry

QA/QC Supervisor	Diploma / certificate in any Engineering discipline	QA/QC Supervisors shall have minimum 5 years experience in the oil & gas industry as a QA/QC supervisor in fabrication/repair of pressure vessels or storage tank or piping in mechanical field and QA/QC Supervisors shall possess desludging and recovery processing knowledge.					
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Work Category	Valid NIOSH Confi SM5	MECHANICAL ENGINEERING & MAINTENANCE
	SM5 02	Rotating Equipment / Movables Repair & Maintenance
	SM5 02 02	Turbines
	SM5020201	Steam Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.3 years experience in steam/gas turbine repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	3 years experience in steam/gas turbine repair and maintenance Or 5 years experience in steam/gas turbine repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 02	Turbines
		SM5020201	Steam Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field Diploma in Mechanical Engineering or related Engineering field	5 years experience in steam/gas turbine repair and maintenance 5 years experience in steam/gas turbine repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	5 years experience in steam/gas turbine repair and maintenance Or 7 years experience in steam/gas turbine repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 02	Turbines
		SM5020202	Gas Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	1.3 years experience in gas turbine repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	5 years experience in gas turbine repair and maintenance Or 7 years experience in gas turbine repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 02	Turbines
		SM5020202	Gas Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering	5 years experience in gas turbine repair and maintenance 7 years experience in gas turbine repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	7 years experience in gas turbine repair and maintenance Or 10 years experience in gas turbine repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 02	Turbines
		SM5020203	Hydraulic Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.2 years experience in turbine repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	3 years experience in turbine repair and maintenance Or 5 years experience in turbine repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 02	Turbines
		SM5020203	Hydraulic Turbine

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	3 years experience in turbine repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead /	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	5 years experience in turbine repair and maintenance Or 7 years experience in turbine repair and maintenance	gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.				

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020301	Air Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	1.3 years experience in air compressor repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	3 years experience in air compressor repair and maintenance Or 5 years experience in air compressor repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020301	Air Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	3 years experience in air compressor repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	5 years experience in air compressor repair and maintenance Or 7 years experience in air compressor repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020303	Reciprocating / Screw Gas Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	1. 3 years experience in reciprocating / screw gas compressor repair and maintenance 2. Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, bench test for leak test, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020303	Reciprocating / Screw Gas Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	3 years experience in reciprocating / screw gas compressor repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, bench test for leak test, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	5 years experience in reciprocating / screw gas compressor repair and maintenance Or 7 years experience in reciprocating / screw gas compressor repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020304	Centrifugal Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	1.3 years experience in centrifugal gas compressor repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Or Certificate in related field	3 years experience in centrifugal gas compressor repair and maintenance Or 5 years experience in centrifugal gas compressor repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 03	Compressors
		SM5020304	Centrifugal Compressor

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical / Electrical / Control Automation / Instrumentation Engineering	5 years experience in centrifugal gas compressor repair and maintenance 7 years experience in centrifugal gas compressor repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical / Electrical / Control Automation / Instrumentation Engineering Certificate in related field	7 years experience in centrifugal gas compressor repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020801	Dry Gas Seal

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.2 years experience in seal repair and maintenance 2.Trained and certified from Principal	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	3 years experience in seal repair and maintenance Or 5 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020801	Dry Gas Seal

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or any related Engineering field	5 years experience in seal repair and maintenance	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or any related Engineering field Certificate in related field	7 years experience in seal repair and maintenance 10 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020802	Wet Seal for Compressor / Expander

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or any related Engineering field	1.2 years experience in seal repair and maintenance 2.Trained and certified from Principal	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or any related Engineering field Or Certificate in related field	3 years experience in seal repair and maintenance Or 5 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020802	Wet Seal for Compressor / Expander

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or any related Engineering field	5 years experience in seal repair and maintenance	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or any related Engineering field	7 years experience in seal repair and maintenance					
	Or Certificate in related field	Or 10 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020803	Wet Seal for Compressor / Expander

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or any related Engineering field	1.2 years experience in seal repair and maintenance 2.Trained and certified from Principal	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or any related Engineering field Or Certificate in related field	3 years experience in seal repair and maintenance Or 5 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5 02 08	Seal and Sealing System
		SM5020803	Wet Seal for Compressor / Expander

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for removal, refurbish, leak test and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or any related Engineering field	5 years experience in seal repair and maintenance	Workshop, proper office setup	Personal hand tool, measurement tool, leak test bench, lapping equipment			
Supervisor	Diploma in Mechanical Engineering or any related Engineering field	7 years experience in seal repair and maintenance					
	Or Certificate in related field	Or 10 years experience in seal repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5021100	Vibrating Screen

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance and repair of vibrating

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM or certificate in related field	3 years experience in mechanical maintenance	Proper Office Setup	Personal Hand Tools			

Work Category	:	SM5 SM5 02 SM5021300	MECHANICAL ENGINEERING & MAINTENANCE Rotating Equipment / Movables Repair & Maintenance Turbo Expander
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Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	1.3 years experience in turbo expander repair and maintenance 2.Trained and certified from Principal	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	5 years experience in turbo expander repair and maintenance Or 7 years experience in turbo expander repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 02	Rotating Equipment / Movables Repair & Maintenance
		SM5021300	Turbo Expander

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for maintenance, repair, overhaul,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field Diploma in Mechanical Engineering or related Engineering field	5 years experience in turbo expander repair and maintenance 7 years experience in turbo expander repair and maintenance	Workshop facilities and proper office setup in Malaysia. Min – overhead / gantry crane, workbench, forklift (or similar lifting facilities), mills, lathe and boring machine, pipe cutting & threading machine, welding set, balancing machine.	Required tools for overhaul, e.g. shaft straightening tools, alignment tools, measuring tools, machine shop tools, torque wrench, etc.		DOSH Certification: •Perakuan Mesin Angkat – Overhead Crane	
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	7 years experience in turbo expander repair and maintenance Or 10 years experience in turbo expander repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 03	Valves Repair & Maintenance
		SM5030100	Mechanical Valve

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for repair, maintenance, testing and

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Workshop	Valve testing, facilities and equipment			
Supervisor/ Team Lead	Certified in related field Or SPM	5 years experience in valve repair and maintenance Or 8 years experience in valve repair and maintenance					
Technician	Secondary education	2 years experience in valve repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 03	Valves Repair & Maintenance
		SM5030200	Relief Valve

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for repair, maintenance, testing, setting

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Site Supervisor	Diploma in Mechanical Engineering Or Certificate in engineering	5 years experience in relief valve repair & maintenance 7 years experience in relief valve repair & maintenance	Proper office & operational workshop Stationary Equipment Repair & Maintenance	1. Access (own/rent) to lifting equipment 2. Hand & measurement tools 3. In-situ testing equipment (e.g. Test Bench, calibrating			
Technician	SPM Or equivalent	2 years experience in relief valve repair & maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 03	Valves Repair & Maintenance
		SM5030300	Relief Valve

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for repair and maintenance of governor

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor / Team lead	Certificate in related field Or SPM or equivalent	5 years experience in governor valve repair & maintenance Or 8 years experience in governor valve repair & maintenance	Proper office & operational workshop Stationary Equipment Repair & Maintenance	1. Personal Hand Tools			
Technician	SPM Or equivalent	2 years experience in governor valve repair & maintenance					

Work Category	:	SM5 SM5040000	MECHANICAL ENGINEERING & MAINTENANCE Heating Ventilation Air Conditioning (HVAC)
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Work Category's Description : Provision of manpower, materials, consumables, equipment and facilities necessary for inspection, repair, testing and

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer	Degree in Mechanical Engineering	3 years experience in HVAC repair & maintenance	Proper office & operational workshop	1. Waterjet /hydrojet 2. Air compressor 3. Access to lifting equipment 4. Hand tools			
Site Supervisor	Diploma in Mechanical Engineering Or Certificate in related field	5 years experience in HVAC maintenance & repair					

Work Category	:	SM5 SM5 08 SM5080100	MECHANICAL ENGINEERING & MAINTENANCE Machining & Fabrication Workshop Workshop Machining
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Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for machining workshop (inclusive of

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM Or certificate in related field	3 years experience in machining and workshop fabrication	Workshop, Proper office setup Mechanical Maintenance	lathe, bending, drilling, grinding, cutting, shaping, milling, turning, blasting, welding equipment *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			
Machinist	SPM Or certificate in related field	3 years experience in machining and workshop fabrication					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 08	Machining & Fabrication Workshop
		SM5080200	In-Situ Machining

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for in-situ machining (inclusive of drilling,

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM Or certificate in related field	3 years experience in in-situ machining	Workshop, Proper office setup	Drilling, grinding, cutting, shaping, milling, turning equipment In-situ flange machining equipment valve lapping machine *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			
Machinist	SPM Or certificate in related field	3 years experience in in-situ machining and workshop					

Work Category	:	SM5 SM5 09 SM5090100	MECHANICAL ENGINEERING & MAINTENANCE Piping & Structural Fabrication and Maintenance Metallic - Carbon Steel, Stainless Steel, Non-Ferrous, Internally Lined Pipe etc
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Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for fabrication, repair and maintenance of metallic piping, internally lined pipe and structure.

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Workshop, Proper office setup	Generator set, welding set, air compressor *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			Welding Procedure Specification (WPS)
Engineer	Degree in Mechanical Engineering Or relevant field	3 years experience in piping and structure repair and maintenance					
Supervisor	Diploma in Mechanical Engineering Or relevant field	5 years experience in piping and structure repair and maintenance					
	Or Certificate inrelated field	Or 7 years experience in piping and structure repair and maintenance					
Quality Control	Diploma in Mechanical Engineering Or relevant field	5 years experience in piping and structure repair and maintenance					
	Or Certificate in related field	Or 7 years experience in piping and structure repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 09	Piping & Structural Fabrication and Maintenance
		SM5090200	Non-Metallic - PVC, Fibreglass (e.g. GRE, GRP etc.), PVC, HDPE, etc

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for fabrication, repair and maintenance of

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering Or relevant field	3 years experience in piping and structure repair and maintenance	Workshop, Proper office setup	Generator set, air compressor *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			
Supervisor	Diploma in Mechanical Engineering Or relevant field	5 years experience in piping and structure repair and maintenance					
	Or Certificate inrelated field	Or 7 years experience in piping and structure repair and maintenance					
Quality Control	Diploma in Mechanical Engineering Or relevant field	5 years experience in piping and structure repair and maintenance					
	Or Certificate in related field	Or 7 years experience in piping and structure repair and maintenance					

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5 10	Joint Integrity Services
		SM5100100	Hydraulic Bolt Tensioning & Bolt Torquing Services

Work Category's Description : The provision of labour, materials, consumables, equipments and training necessary for hydraulic bolt tensioning and bolt

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering Or relevant field	3 years experience in bolt tensioning and bolt torquing services in oil & gas industry	Proper office & operational workshop	1. Calibrated bolt tensioning equipment 2. Calibrated bolt torqueing equipment 3. Access to underwater services (e.g.divers) *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			
Supervisor	Diploma in Mechanical Engineering Or relevant field Or Certificate inrelated field	N/A					

Work Category	:	SM5 SM5 12 SM5120100	MECHANICAL MAINTENANCE Insulation Work Hot Insulation
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Work Category's Description : The provision of hot insulation work

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	2 years experience in insulation work Or 3 years experience in insulation work	1.Manned and permanent office setup 2.Operational Workshop	1.Personal hand tool 2.Rolling machine 3.Etc			

Work Category	:	SM5	MECHANICAL MAINTENANCE
		SM5 12	Insulation Work
		SM5120200	Cold Insulation

Work Category's Description : The provision of cold insulation work

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	2 years experience in insulation work Or 3 years experience in insulation work	1.Manned and permanent office setup 2.Operational Workshop	1.Personal hand tool 2.Rolling machine 3.Etc			

Work Category	:	SM5	MECHANICAL MAINTENANCE
		SM5 12	Insulation Work
		SM5120300	Acoustic Insulation work

Work Category's Description : The provision of acoustic insulation work for static equipments and piping (exclude pipeline)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	2 years experience in insulation work Or 3 years experience in insulation work	1.Manned and permanent office setup 2.Operational Workshop	1.Personal hand tool 2.Rolling machine 3.Etc			

Work Category	:	SM5	MECHANICAL ENGINEERING & MAINTENANCE
		SM5140000	Single Buoy Mooring

Work Category's Description : The provision of manpower, diver, materials, consumables and equipment necessary for inspection, troubleshooting, repair,

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
SBM Engineer	Degree in Marine / Mechanical Engineering Diploma in Marine / Mechanical Engineering	3 years experience in SBMs maintenance 3 years experience in SBMs maintenance	Proper office & operational workshop in Malaysia	Access to diving services			
Supervisor	Diploma in Marine / Mechanical Engineering Or Certificate in engineering	3 years experience in SBMs maintenance Or 5 years experience in SBMs maintenance					

Work Category : SM5 MECHANICAL ENGINEERING & MAINTENANCE

**SM5 23
SM5230100**

**Turnaround / Shutdown
Below 100k Manhours**

Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and

Sector Application : Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Turnaround Manager	Diploma in any discipline	Shutdown/Turnaround Manager shall have minimum 7 years experience in oil & gas industry in mechanical work and Involved in a minimum of 2 Shutdown/Turnaround works as Shutdown/Turnaround Manager in the past 6 years in oil & gas shutdown/turnaround.	1. Proper office 2. Operational workshop 3. Access to fabrication yard	Ownership/Lease of the following equipment: 1. One (1) Bundle Puller (10T - 25T) 2. One (1) Hydrojet machine Semiautomatic	Minimum of Five (5) years providing Daily Maintenance on Mechanical work in Oil/Gas/Petchem plant within the last Ten (10) years		Quality Management System

Turnaround Planner	Diploma in any discipline	Shutdown/Turnaround Planner shall have minimum 5 years experience in oil & gas industry in mechanical maintenance work and Involved in a minimum of 2 Shutdown/Turnaround works as Shutdown/Turnaround Planner in the past 6 years in oil & gas turnaround.
3 Turnaround Supervisor	SPM or certificate in related field	Minimum 5 years working experience as Shutdown/Turnaround Supervisor in Shutdown/Turnaround maintenance work oil & gas industry.
3 Work Leader	SPM or certificate in related field	Minimum 5 years working experience as Shutdown/Turnaround Work Leader/Foreman in Shutdown/Turnaround maintenance work in oil & gas industry.

Safety Officer	SPM or certificate in related field and registered DOSH green book	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry					
QA/QC Supervisor	Diploma / certificate in Mechanical Engineering discipline	QA/QC Supervisors shall have minimum 5 years experience in the oil & gas industry as supervisors in fabrication/repair of pressure vessels and piping and/or in QA/QC in mechanical field.					

Work Category	:	SM5 SM5 23 SM5230200	MECHANICAL ENGINEERING & MAINTENANCE Turnaround / Shutdown 100k to 350k Manhours
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Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and

Sector Application : Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Turnaround Manager	Diploma in any discipline	Turnaround Manager shall have minimum 10 years experience in oil & gas industry in mechanical work and Involved in a minimum of 3 Turnaround works as Turnaround Manager in the past 6 years in oil & gas turnaround.	1. Proper office 2. Operational workshop 3. Access to fabrication yard	Ownership/Lease of the following equipment: 1. One (1) Bundle Puller (10T - 25T) 2. One (1) Bundle Puller (30T - 45T) 3. Two (2) Hydrojet machine Semiautomatic	Cumulative shutdown/turnaround execution manhours of 150,000 within the last Four (4) years and At least Three (3) Shutdown/Turnaround of above 50,000 manhours within the last Ten (10) years	DOSH - "Surat sebagai syarikat pembaikpulih Pengandung/Bejana Tekanan Tak Berapi"	Quality Management System (or ISO 9001)
Turnaround Scheduler	Diploma in any discipline	Turnaround Scheduler shall have minimum 6 years experience in oil & gas industry in mechanical maintenance work and Involved in a minimum of 3 Turnaround works as Turnaround Scheduler in the past 6 years in oil & gas turnaround.					

2 Turnaround Planner	Diploma in any discipline	Turnaround Planner shall have minimum 6 years experience in oil & gas industry in mechanical maintenance work and Involved in a minimum of 3 Turnaround works as Turnaround Planner in the past 6 years in oil & gas turnaround.
5 Turnaround Supervisor	SPM or certificate in related field	Minimum 5 years working experience as Turnaround Supervisor in Turnaround maintenance work in oil & gas industry.
5 Work Leader	SPM or certificate in related field	Minimum 5 years working experience as Turnaround Work Leader/Foreman in Turnaround maintenance work in oil & gas industry.

Safety Officer	SPM or certificate in related field and registered DOSH green book	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry					
2 QA/QC Supervisor	Diploma / certificate in Mechanical Engineering discipline	QA/QC Supervisors shall have minimum 5 years experience in the oil & gas industry as supervisors in fabrication/repair of pressure vessels and piping and/or in QA/QC in mechanical field.					

Work Category	:	SM5 SM5 23 SM5230300	MECHANICAL ENGINEERING & MAINTENANCE Turnaround / Shutdown More than 350k Manhours
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Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and

Sector Application : Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
2 Turnaround Manager	Degree in Engineering	Turnaround Manager shall have minimum 10 years experience in oil & gas industry in mechanical work and Involved in a minimum of 3 Turnaround works as Turnaround Manager in the past 6 years in oil & gas turnaround.	1. Proper office 2. Operational workshop 3. Access to fabrication yard 4. Training center for operational excellence, with CIDB and DOSH certified module (or any equivalent certification) for development of fitters, supervisor and work leader	Ownership/Lease of the following equipment: 1. Two (2) Bundle Puller (10T - 25T) 2. Two (2) Bundle Puller (30T - 45T) 3. Three (3) Hydrojet machine Semiautomatic	Cumulative (inclusive of Shareholder's experience) of turnaround execution manhours of 450,000 within the last Five (5) years and At least Three (3) Turnaround of above 300,000 manhours within the last Ten (10) years	DOSH - "Surat sebagai syarikat pembaikpulih Pengandung/Bejana Tekanan Tak Berapi"	Quality Management System (or ISO 9001)
2 Turnaround Scheduler	Diploma in any discipline	Turnaround Scheduler shall have minimum 8 years experience oil & gas industry in mechanical maintenance work and Involved in a minimum of 3 Turnaround works as Turnaround Scheduler in the past 6 years oil & gas turnaround.					

4 Turnaround Planner	Diploma in any discipline	Turnaround Planner shall have minimum 8 years experience in oil & gas industry in mechanical maintenance work and Involved in a minimum of 3 Turnaround works as Turnaround Planner in the past 6 years in oil & gas turnaround.
8 Turnaround Supervisor	SPM (or equivalent) or certificate in related field	Minimum 5 years working experience as Turnaround Supervisor in Turnaround maintenance work in oil & gas industry.
8 Work Leader	SPM (or equivalent) or certificate in related field	Minimum 5 years working experience as Turnaround Work Leader/Foreman in Turnaround maintenance work in oil & gas industry.

2 Safety Officer	Diploma (or equivalent) or certificate in related field and registered DOSH green book (or equivalent)	Safety Officer who possesses valid National Institute of Occupational Safety & Health (NIOSH) certificate and have minimum 5 years working experience as Safety Officer in the oil & gas industry. or Safety Officer who possesses equivalent recognized certificates to NIOSH shall have minimum 8 years working experience as Safety Officer in the oil & gas industry					
4 QA/QC Supervisor	Diploma / certificate in Mechanical Engineering discipline	QA/QC Supervisors shall have minimum 5 years experience in the oil & gas industry as supervisors in fabrication/repair of pressure vessels and piping and/or in QA/QC in mechanical field.					

Work Category	:	SO2 SO2 01 SO2 01 01 SO2010101	OFFSHORE FACILITIES CONSTRUCTION Offshore Construction Transportation & Installation of Offshore Facilities Lifting Method - Dynamic Positioning (DP) Vessel
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Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, DP derrick barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Lifting DP Vessel (Owned / Lease) 2. Construction Equipment (Owned / Lease)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010101	Lifting Method - Dynamic Positioning (DP) Vessel

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, DP derrick barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Lifting DP Vessel (Owned / Lease) 2. Construction Equipment (Owned / Lease)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010102	Lifting Method - Non-DP Vessel

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, derrick barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Derrick barge / vessel (Owned / Lease) 2. Construction Equipment (Owned / Lease)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010102	Lifting Method - Non-DP Vessel

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, derrick barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Derrick barge / vessel (Owned / Lease) 2. Construction Equipment (Owned / Lease)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010103	Floatover or Other Method

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, floatover barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Floatover barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010103	Floatover or Other Method

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, floatover barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Floatover barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010104	SBM & Subsea Structure

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, offshore construction barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, piling, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Offshore Construction barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010104	SBM & Subsea Structure

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, offshore construction barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, piling, survey & positioning, ROV and other installation aids required for offshore installation

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Offshore Construction barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010105	Pipelay Conventional Method ('S' and/or 'J' Lay method)

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures (including welding), pipeline installation barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Pipeline Installation barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010105	Pipelay Conventional Method ('S' and/or 'J' Lay method)

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures (including welding), pipeline installation barge / vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Pipeline Installation barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010106	Tow, Reeling, Flexible and/or Other Methods

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures (including welding), construction marine spread, pipe stringing facilities inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Pipelay barge / vessel or construction vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010106	Tow, Reeling, Flexible and/or Other Methods

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures (including welding), construction marine spread, pipe stringing facilities inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Pipelay barge / vessel or construction vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010107	Cable & Umbilical

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, cable & umbilical laying marine spread, inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Cable lay barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)	<u>Principal</u> Minimum 5 years in managing & executing offshore construction		
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2 01 01	Transportation & Installation of Offshore Facilities
		SO2010107	Cable & Umbilical

Work Category's Description : The provision of PMT, transportation & installation engineering, procedures, cable & umbilical laying marine spread, inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, consumables and other installation aids required for offshore installation and pre-commissioning

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Cable lay barge / vessel (Owned by principal) 2. Construction Equipment (Owned / Leased)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2010400	Decommissioning of Offshore Facilities

Work Category's Description : The provision of PMT, manpower, engineering, procedures, derrick barge / vessel inclusive of marine spread, transportation spread, decommissioning equipment, diving spread, ROV spread, heavy lift rigging, NDT services, survey & positioning, and specialize services which includes environmental & consultancy services required for decommissioning, removal and disposal of

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Derrick barge / vessel (Owned / Lease) Decommissioning Equipment (Owned / Lease)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2010400	Decommissioning of Offshore Facilities

Work Category's Description : The provision of PMT, manpower, engineering, procedures, derrick barge / vessel inclusive of marine spread, transportation spread, decommissioning equipment, diving spread, ROV spread, heavy lift rigging, NDT services, survey & positioning, and specialize services which includes environmental & consultancy services required for decommissioning, removal and disposal of

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Derrick barge / vessel (Owned / Lease) Decommissioning Equipment (Owned / Lease)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2010500	Pipeline Pre-Commissioning & Commissioning

Work Category's Description : The provision of PMT, procedures, labour, equipment, services and facilities for offshore and onshore Pipeline cleaning, pigging, gauging, fill, hydrotest, dewatering, drying, inerting including provision of pigs, temporary launcher/receiver, materials & consumables (including chemicals)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup	List of: 1. Pre- Commissioning & Commissioning Equipment (Owned / Lease)			
Construction / Installation / Engineering Manager	Degree / Diploma in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA /QC Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
HSE Manager	Degree / Diploma Or Relevant Certificate	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 01	Offshore Construction
		SO2010600	Marine Warranty Survey

Work Category's Description : The provision of suitability survey for installation vessel & supporting tugs/barges, witnessing, verifying, reviewing, approving procedure, attend installation activities and issue certificate of approval (platform, pipeline & subsea facilities), attend construction risk assessment and fabrication yard (trail fitting, dimensional check, sea-fastening & loud operation)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position	Proper & Manned Office Setup				
Naval Architect	Degree in naval architect	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
Master Mariner	Master of Foreign Going	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					
QA / QC Manager	Degree in engineering	Minimum 7 exp. years in Oil & Gas Industry with minimum 2 years of exp. in similar position					

Work Category	:	SO2	OFFSHORE FACILITIES CONSTRUCTION
		SO2 02	Onshore Fabrication
		SO2020500	Surface Preparation & Painting

Work Category's Description : The provision of manpower, services, equipment, materials and facilities for Onshore Fabrication - Surface Preparation and Painting

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Manager	Diploma in Engineering or relevant field Or Diploma in related field	3 years experience surface preparation, painting and coating Or 7 years experience in surface preparation, painting and coating Or 3 years experience in quality assurance and quality control in blasting and coating	1. Proper office setup 2. Operational workshop	Air compressor, blasting and painting equipment, surface tester, humidity tester, DFT tester, holiday tester. *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).		IMM (Institute of Material Malaysia) certification for blaster and painter	Surface preparation and painting procedure
Quality Control/Supervisor	Certificate in related field	3 years experience in quality assurance and quality control in blasting and coating					

Work Category	:	SP1 SP1 02 SP1020300	Pipeline & Associated Services Pipeline Construction / Installation Anti Corrosion & Concrete Pipeline Coating
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Work Category's Description : Provision of labor, material, equipment, services and facilities for pipeline insulation coating (including hot, cold, corrosion coating, concrete weight coating and internal coating)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project / Technical Manager	Degree / diploma in any engineering field	Minimum 7 years experience in oil and gas with a minimum 5 years experience in pipeline coating					
Lead / Senior Engineer	Degree / diploma in any engineering field	Minimum 5 years experience in oil and gas with a minimum 3 years experience in pipeline coating					
Project Coordinator / Planner	Degree / diploma in any engineering field	Minimum 3 years experience in oil and gas with a minimum 3 years experience in pipeline coating	1. Manned and permanent office setup 2.Manufacturing Plant 3. Storage 4. Loadout 5. Test Facilities	Test Facilities Specification & Equipment *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).		1) Business License from Local Authority 2) "Surat Kebenaran Operasi" from regulatory body, e.g. DOSH – JKJ112	

Work Category	:	SP1	Pipeline & Associated Services
		SP1 04	Pipeline Maintenance
		SP1 04 01	Pipeline Cleaning, Inspection & Repair
		SP1040101	Pipeline In-Line Inspection

Work Category's Description : Provision of labor, material, equipment, services and facilities for pipeline in-line inspection

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering discipline	Minimum 7 years experience in Pipeline In-Line Inspection					
Sr. Data Analyst	1. Degree in any Engineering discipline 2. Minimum Grade 2 data analyst certificate	Minimum 5 years experience in Pipeline In-Line Inspection					
Field Engineer / Supervisor	Diploma / certificate in any Engineering discipline	Minimum 3 years experience in Pipeline In-Line Inspection					

Work Category	:	SP1	Pipeline & Associated Services
		SP1 02	Pipeline Maintenance
		SP1 02 03	Pipeline Cleaning, Inspection & Repair
		SP1040101	Pipeline In-Line Inspection

Work Category's Description : Provision of labor, material, equipment, services and facilities for pipeline in-line inspection

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering field	7 years experience in Pipeline In-Line Inspection	Manned and permanent office setup				
Project Engineer	Degree in any Engineering field	5 years experience in Pipeline In-Line Inspection					

Work Category	:	SP1	Pipeline & Associated Services
		SP1 01	Pipeline Maintenance
		SP1 04 01	Pipeline Cleaning, Inspection & Repair
		SP1040102	Pipeline Internal Cleaning (Cleaning Pigging)

Work Category's Description : Provision of labor, material, equipment, services and facilities for pipeline internal cleaning (Cleaning Pigging), such as refurbishment, management of operational activities, etc.

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering discipline	Minimum 7 years experience in pipeline internal cleaning	1. Manned and permanent office 2. Warehouse 3. Workshop	PIGS			
Field Engineer / Supervisor	Diploma / certificate in any Engineering discipline	Minimum 3 years experience in pipeline internal cleaning					

Work Category	:	SP1	Pipeline & Associated Services
		SP1 01	Pipeline Maintenance
		SP1 04 01	Pipeline Cleaning, Inspection & Repair
		SP1040102	Pipeline Internal Cleaning (Cleaning Pigging)

Work Category's Description : Provision of labor, material, equipment, services and facilities for pipeline internal cleaning (Cleaning Pigging), such as refurbishment, management of operational activities, etc.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering discipline	7 years experience in pipeline internal cleaning	Manned and permanent office setup				
Project Engineer	Degree in any Engineering field	5 years experience in pipeline internal cleaning					

Work Category	:	SP1	Pipeline & Associated Services
		SP1 01	Pipeline Maintenance
		SP1 04 01	Pipeline Cleaning, Inspection & Repair
		SP1040104	Riser Repair & Maintenance

Work Category's Description : Provision of labor, material, equipment, services and facilities for Riser Repair & Maintenance

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any Engineering discipline	Minimum 7 years experience in riser repair & maintenance	1. Manned and permanent office setup 2. Warehouse 3. Workshop	NDT equipment & tools			
Field Engineer / Supervisor	Diploma / certificate in any Engineering discipline	Minimum 3 years experience in riser repair & maintenance					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010101	Jackup Rig Services

Work Category's Description : The provision of Jackup Rig including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,	Principal : Certificate Registry of Rig	
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010101	Jackup Rig Services

Work Category's Description : The provision of Jackup Rig including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia			Principal: Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010101	Jackup Rig Services

Work Category's Description : The provision of Jackup Rig including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia	Jackup Rig		Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010102	Tender Assisted

Work Category's Description : The provision of tender assisted including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,	Principal : Certificate Registry of Rig	
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010102	Tender Assisted

Work Category's Description : The provision of tender assisted including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia			Principal: Certificate Registry of Rig	
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010102	Tender Assisted

Work Category's Description : The provision of tender assisted including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia	Tender Assisted		Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010103	Drill Ship

Work Category's Description : The provision of drill ship including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,	Principal : Certificate Registry of Rig	
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					
Company/ Principal: Master Mariner	Master of 3000GT or more Unlimited Voyages (STCW95) – Class 1						

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010103	Drill Ship

Work Category's Description : The provision of drill ship including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia			Principal: Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					
Master Mariner	Master of 3000GT or more Unlimited Voyages (STCW95) – Class 1						

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010103	Drill Ship

Work Category's Description : The provision of drill ship including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia	Drill Ship		Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					
Master Mariner	Master of 3000GT or more Unlimited Voyages (STCW95) – Class 1						

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010104	Self Contained/Platform Rig Services

Work Category's Description : The provision of self contained/platform rig services including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,		
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010104	Self Contained/Platform Rig Services

Work Category's Description : The provision of self contained/platform rig services including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia				
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010104	Self Contained/Platform Rig Services

Work Category's Description : The provision of self contained/platform rig services including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia	Self Contained/ Platform Rig			
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010105	Semi-Submersible

Work Category's Description : The provision of semi-submersible including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,	Principal : Certificate Registry of Rig	
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010105	Semi-Submersible

Work Category's Description : The provision of semi-submersible including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 10 years experience in drilling.	Principal: Certificate Registry of Rig	
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP20101	Offshore Rig
		SP2010105	Semi-Submersible

Work Category's Description : The provision of semi-submersible including manpower, equipment, consumables, and facilities necessary for drilling services

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia	Semi- Submersible Rig		Certificate Registry of Rig	
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP2012	Onshore Rig
		SP2010201	Land Oilfield Rig Services

Work Category's Description : The provision of land oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,		
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP2012	Onshore Rig
		SP2010201	Land Oilfield Rig Services

Work Category's Description : The provision of land oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 10 years experience in drilling.		
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP2012	Onshore Rig
		SP2010201	Land Oilfield Rig Services

Work Category's Description : The provision of land oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia	Land Oilfield Rig			
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP2010300	Swamp Barge Oilfield Rig Services

Work Category's Description : The provision of swamp barge oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia		Principal to have minimum 10 years experience in drilling.		
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP201	Drilling Rigs
		SP2010300	Swamp Barge Oilfield Rig Services

Work Category's Description : The provision of swamp barge oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia	NSwamp Barge Oilfield Rig			
Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2020000 **Drilling Equipment Rental & Services**

Work Category's Description : The provision of Drilling Equipment Rental and Services (E.g Drill pipe, associated crossover, pup joints, personnel, etc.)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Manager	Degree in Engineering	Minimum 3 years experience in drilling and/or completion works.	Manned and permanent office setup		Principal to have minimum 10 years experience in drilling equipment and services		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2020000	Drilling Equipment Rental & Services

Work Category's Description : The provision of Drilling Equipment Rental and Services (E.g Drill pipe, associated crossover, pup joints, personnel, etc.)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Manager	Degree in Engineering	Minimum 7 years experience in drilling and/or completion works.	Manned and permanent office setup, workshop and repair facilities	Owned equipment (E.g. Drill pipe, associated crossover, pup joints, etc.)			

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030100	Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) & Services

Work Category's Description : The provision of Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,		
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030100	Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) & Services

Work Category's Description : The provision of Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Rig operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia		Principal to have minimum 10 years experience in drilling/ workover.		
Operation/ Rig Manager	Diploma in engineering	10 years in drilling and workover operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030100	Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) & Services

Work Category's Description : The provision of Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU) and qualified personnel / crew for onshore and

Mode of Operation : Rig owner operator

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia	Hydraulic Workover Unit (HWU) / Workover Pulling Unit (WPU)			
Operation/ Rig Manager	Diploma in engineering	10 years in drilling and workover operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030200	Snubbing Unit & Services

Work Category's Description : The provision of Snubbing unit and qualified personnel / crew for onshore and offshore services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,		
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030200	Snubbing Unit & Services

Work Category's Description : The provision of Snubbing unit and qualified personnel / crew for onshore and offshore services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia	Snubbing Unit & Services			
Operation/ Rig Manager	Diploma	10 years in drilling and workover operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030300	Conventional Workover Rig

Work Category's Description : The provision of Conventional Workover Rig (CWR) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia		Principal to have minimum 5 years experience in drilling,		
Company/ Principal: Operation/ Rig Manager	Diploma in engineering	10 years in drilling operation					
Company/ Principal: HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030300	Conventional Workover Rig

Work Category's Description : The provision of Conventional Workover Rig (CWR) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operation/ Rig Manager	Diploma	10 years in drilling and workover operation	Office setup in Malaysia	Conventional Workover Rig (CWR)			
HSE Manager	Degree	5 years in oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030400	Coiled Tubing Unit & Services

Work Category's Description : The provision of Coiled Tubing Unit (CTU) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Company/ Principal: Manager	Degree	10 years in oil and gas	Office setup in Malaysia		Principal to have minimum 10 years experience in drilling and well services.		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP203	Dedicated Workover Services
		SP2030400	Coiled Tubing Unit & Services

Work Category's Description : The provision of Coiled Tubing Unit (CTU) and qualified personnel / crew for onshore and offshore services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Office setup in Malaysia and workshop/wareho use	Coiled Tubing Unit (CTU)			
Operation/ Rig Manager	Diploma	10 years in drilling and workover operation					
HSE Manager	Degree	5 years in oil and gas.					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2040000 **Tubular Handling Equipment & Running Services**

Work Category's Description : The provision of tubular running equipment, qualified personnel, maintenance, inspection and torque-turn

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Proper office setup and workshop in Malaysia	Power tong, Power unit and accessories.		DOSH – JKJ112	
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation					
Service Engineer	Degree in Engineering	Minimum 5 years experience in tubular running services					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2050000 **Oilfield Fishing Equipments & Services**

Work Category's Description : The provision of fishing equipment / tools, qualified personnel, inspection and maintenance

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Proper office setup and workshop in Malaysia	Torque machine, various drilling and tubular fishing tools		DOSH – JKJ112	
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation					
Service Engineer	Degree in Engineering	Minimum 5 years experience in oilfield fishing equipment and services					

Work Category	:	SP2 SP2060000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Coring Equipment & Services
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Work Category's Description : The provision of coring equipment, qualified personnel and maintenance

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	Proper office setup and workshop in Malaysia	Core handling and preservations equipment.			
Coring Engineer	Degree in Engineering	Minimum 5 years experience in coring equipment and services					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2070000 **Borehole Survey / Gyro Survey Equipment & Services**

Work Category's Description : The provision of borehole/gyro survey equipment, qualified personnel and engineering/technical support

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	Proper office setup and workshop in Malaysia	Magnetic / GYRO survey tools			
Survey Engineer	Degree in Engineering	Minimum 5 years experience in gyro surveying equipment and services					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2080000 **Drilling/Completion Fluid & Services**

Work Category's Description : The provision of mud engineering, materials (mud chemical and additives) and laboratory facilities

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	Proper office/lab/ storage warehouse setup and workshop in Malaysia	Fully equipment Mud Lab facilities			
Drilling/completion fluid Engineer	Degree in Engineering	Minimum 5 years experience in drilling completion fluid					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2090000	Drilling/Completion Fluid Filtration Equipment & Services

Work Category's Description : The provision of completion fluid filtration equipment and consumables, qualified personnel and equipment maintenance

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or 5 years in completion operation	Proper office/ storage warehouse setup and workshop in Malaysia	Fluid Filtration Equipment			
Filtration technician	Diploma in Engineering	Minimum 3 years experience in filtration					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2100000 **Cementing Equipment & Services**

Work Category's Description : The provision of completion fluid filtration equipment and consumables, qualified personnel and equipment maintenance

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience	Proper office/lab/ storage warehouse setup and workshop in Malaysia	Cementing Test Lab Facilities			
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or 5 years in cementing					
Drilling/Cementing service Engineer	Degree in Engineering	Minimum 5 years experience in Cementing Equipment & Services					

Work Category	:	SP2 SP2130000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Directional Drilling , Gyro While Drilling , Measurement While Drilling and Logging While Drilling
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Work Category's Description : The provision of directional drilling , gyro while drilling , measurement while drilling (MWD) and logging while drilling (LWD) equipment/tools, personnel, directional planning/engineering and maintenance

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in directional drilling	Proper office setup, calibration lab and workshop in Malaysia	Directional drilling /LWD /MWD tools and equipment		License for radioactive source from Lembaga Tenaga Atom	
Directional drilling engineer	Degree in Engineering	Minimum 5 years experience in directional drilling					
LWD/ MWD engineer	Degree in Engineering	Minimum 3 years experience in LWD/MWD.					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2160000 **Mud Logging**

Work Category's Description : The provision of equipment and services, special services (pressure detection), drill cuttings analysis and drilling parameter (Torque / Drag)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering or Geoscience	Minimum 7 years experience in mud logging	Proper office setup and workshop in Malaysia	Mud logging tools			
Mud logging engineer	Degree in Engineering or Geoscience	Minimum 5 years experience in mud logging					
HSE Manager	Degree	Minimum 5 years experience in HSE oil and gas.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP217	Electric Logging & Services
		SP2170100	Open Hole Electric Logging & Services

Work Category's Description : Provision of Open-Hole Electric Logging, personnel, equipment & services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering or Geoscience	Minimum 10 years experience in drilling and/or completion operation and/or 5 years experience in E-line	Proper office, lab, warehouse setup in Malaysia	Complete set of open-hole electric logging tools.		i. License for radioactive source from Lembaga Tenaga Atom 1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
E-line engineer	Degree in Engineering or Geoscience	Minimum 5 years experience in e-line operation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP217	Electric Logging & Services
		SP2170200	Cased Hole Electric Logging & Services

Work Category's Description : Provision of Cased Hole Electric Logging, personnel, equipment & services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering or Geoscience	Minimum 5 years experience in drilling and/or completion operation And/or Minimum 3 years in cased Hole Electrical Logging	Proper office, lab, warehouse setup in Malaysia	Complete set of Cased Hole Electric logging tools		i. License for radioactive source from Lembaga Tenaga Atom 1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
E-line engineer	Degree in Engineering or Geoscience	Minimum 5 years experience in e-line operation					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2200000 **Well Testing Equipment & Services**

Work Category's Description : The provision of well testing equipment, qualified personnel, equipment maintenance, liquid and gas sampling/analysis.

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation					
Well Test engineer	Degree in Engineering	Minimum 5 years experience in well test operation					
HSE Manager	Degree	Minimum 5 years experience in HSE oil and gas.					

Work Category : **SP2** **PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES**
SP2210000 **Liner Hanger Equipment & Accessories**

Work Category's Description : The provision to supply, deliver, assemble, install, test and maintain liner hanger equipment and accessories

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	1.Office setup in Malaysia 2.Workshop facilities for storage, assembly and maintenance	Torque Machine			
Service Engineer	Degree in Engineering	Minimum 5 years experience in Liner Hanger					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP222	Well Perforation Equipment & Services
		SP2220100	Tubing Conveyed Perforation

Work Category's Description : Provision of Tubing Conveyed Perforating, Skilled Personnel and Services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling and/or completion operation and/or 3 years experience in TCP	Office setup in Malaysia and warehouse	Complete set of Well Test Equipment and accessories TCP guns and associated accessories.		1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
Tubing Conveyed Perforation engineer		Minimum 5 years experience in Tubing Conveyed Perforation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP222	Well Perforation Equipment & Services
		SP2220200	Coiled Tubing Well Perforating Services

Work Category's Description : Provision of Coiled Tubing Well Perforating , Skilled Personnel and Services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling and/or completion operation And/or 3 years experience in Coiled Tubing Well Perforating	Office setup in Malaysia and warehouse	Coiled Tubing Well Perforating guns and associated accessories.		1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
Coiled Tubing Well Perforating engineer		Minimum 5 years experience in Coiled Tubing Well Perforating					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP222	Well Perforation Equipment & Services
		SP2220400	Through Tubing Well Perforation Services

Work Category's Description : Provision of Through Tubing Well Perforation , Skilled Personnel and Services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling and/or completion operation and/or 3 years experience in Through Tubing Well Perforation	Office setup in Malaysia and warehouse	Through Tubing Well Perforation guns and associated accessories.		1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
Through Tubing Well Perforation engineer		Minimum 5 years experience in Through Tubing Well Perforation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP222	Well Perforation Equipment & Services
		SP2220500	Electricline Well Perforating Services

Work Category's Description : Provision of Electricline Well Perforating , Skilled Personnel and Services

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling and/or completion operation and/or 3 years experience in Electricline Well Perforating	Office setup in Malaysia and warehouse	Electricline Well Perforating guns and associated accessories		1. License for explosives from Polis Diraja Malaysia issued to the company applying for the license; OR 2. License for explosives from Polis Diraja Malaysia issued to a third party AND letter from the third party confirming that license applicant has access to facility	
Electricline Well Perforating engineer		Minimum 5 years experience in Electricline Well Perforating					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP223	Specialize Sand Control Equipment & Services
		SP2230100	Stand Alone Screen Equipment & Services

Work Category's Description : Provision of Standalone Sand Control Screen Equipment and Services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation and/or 5 years Experience in sand control	Proper office, lab, warehouse setup in Malaysia	Complete set of Sand Control Equipment and pumping unit			
Sand Control engineer	Degree in Engineering	Minimum 5 years experience in sand control operation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP223	Specialize Sand Control Equipment & Services
		SP2230200	Open & Cased Hole Gravel Packing Equipment & Services

Work Category's Description : Open & Cased Hole Gravel Packing Equipment & Services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation And/or 5 years Experience in sand control	Proper office, lab, warehouse setup in Malaysia	Complete set of Sand Control Equipment			
Sand Control engineer	Degree in Engineering	Minimum 7 years experience in sand control operation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP223	Specialize Sand Control Equipment & Services
		SP2230300	Expandable Sand Screen Equipment & Services

Work Category's Description : Provision of Expandable Sand Screen Equipment and Services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation And 5 years Experience in sand control	Proper office, lab, warehouse setup in Malaysia	Complete set of Sand Control Equipment			
Sand Control engineer	Degree in Engineering	Minimum 7 years experience in sand control operation					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2240000	Well Completion Equipment & Services

Work Category's Description : To supply , deliver, assemble, install and test completion equipment and accessories. (e.g. Subsurface Safety Valve, Packer, Nipple, Sliding Sleeves, Gaslift Mandrel & Accessories, Seal Assembly, Control Line and Protector and Tubular Accessories, etc.)

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools			
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	1.Workshop facilities for storage, assembly and maintenance 2.Manufacturing facilities	1.Boring machine 2.Lathe machine 3.Torque machine 4.Pressure test pit		DOSH - JKJ 112	
Service Engineer	Degree in Engineering	Minimum 5 years experience in well completion equipment and services					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP226	Wellhead / Christmas Tree Equipment & Services
		SP2260400	Subsea Wellhead Maintenance and Services

Work Category's Description : The provision of manpower, materials, consumables, equipment and tools necessary for inspection, maintenance, repair and troubleshooting of subsea wellhead

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in wellhead and christmas tree installation with 5 years in wellhead operation	Proper office, warehouse, workshop setup in Malaysia	Wellhead service and maintenance equipment		DOSH – JKJ112	
Surface wellhead maintenance Supervisor	Diploma in Engineering	Minimum 5 years experience in installation and maintenance of wellhead and Christmas tree					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP226	Wellhead / Christmas Tree Equipment & Services
		SP2260500	Surface Wellhead and Christmas Tree Maintenance and Services

Work Category's Description : The provision of manpower, materials, consumables, equipment and tools necessary for inspection, maintenance, repair and troubleshooting of surface wellhead

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in wellhead and christmas tree installation with 5 years in wellhead operation	Proper office, warehouse, workshop setup in Malaysia	Wellhead service and maintenance equipment		DOSH – JKJ112	
Surface wellhead maintenance Supervisor	Diploma in Engineering	Minimum 5 years experience in installation and maintenance of wellhead and Christmas tree					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2270000	Slickline Equipment & Services

Work Category's Description : The provision of slickline equipment / tools, personnel and engineering / technical support for onshore and offshore services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 7 years experience in O&G and/or 5 years experience in Slickline Equipment & Services	Proper office, gas lift lab, warehouse, workshop setup in Malaysia	Workbench, slickline unit, pressure control equipment		DOSH – JKJ112	
Slickline Operator	Diploma in Engineering And/or Certificate in Engineering	Minimum 5 years experience as Slickline operator					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP228	Artificial Lift Services
		SP2280100	Electrical Submersible

Work Category's Description : Supply, deliver, install and maintenance of Electrical Submersible Pump (ESP)

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Engineer	Degree in Engineering	Minimum 3 years experience in drilling and/or completion works.	Manned and permanent office setup				

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP228	Artificial Lift Services
		SP2280100	Electrical Submersible

Work Category's Description : Supply, deliver, install and maintenance of Electrical Submersible Pump (ESP)

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Engineer	Degree in Engineering	Minimum 3 years experience in drilling and/or completion works.	Manned and permanent office setup				

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP228	Artificial Lift Services
		SP2280200	Gas Lift

Work Category's Description : Design, supply, deliver, install and maintenance of Gas Lift system

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Engineer	Degree in Engineering	Minimum 3 years experience in drilling and/or completion works.	Manned and permanent office setup				

Work Category	:	SP2 SP2290000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Subsea Well Intervention Services
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Work Category's Description : The provision of manpower, materials, consumables, equipment and tools necessary for subsea well Intervention services

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Technical Manager	Degree in Engineering	Minimum 5 years experience in subsea well intervention services	Proper office setup in Malaysia		Principal to have minimum 10 years experience in Subsea Well Intervention Services		

Work Category	:	SP2 SP2290000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Subsea Well Intervention Services
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Work Category's Description : The provision of manpower, materials, consumables, equipment and tools necessary for subsea well Intervention services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 5 years experience in subsea well intervention services	Proper office setup in Malaysia				

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310100	Under Balance Drilling (UBD) and Managed Pressure Drilling

Work Category's Description : Provision of Under Balanced Drilling and Managed Pressure Drilling Equipment and Services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 5 years experience in Managed Pressure Drilling	Proper office setup, calibration lab and workshop in Malaysia	Complete set of Managed Pressure Drilling Tools			
Managed Pressure Drilling engineer	Degree in Engineering	Minimum 3 years experience in Managed Pressure Drilling					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310200	Coiled Tubing Drilling (CTD) / Through Tubing Rotary Drilling (TTRD)

Work Category's Description : Provision of personnel and equipment to perform Coiled Tubing Drilling /Through Tubing Rotary Drilling

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Technical Manager	Degree in Engineering	Minimum 10 years experience in O&G and/or 5 years experience in drilling	Proper office setup and workshop in Malaysia		Principal to have minimum 10 years experience in coiled tubing services and/or coiled tubing drilling services		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310200	Coiled Tubing Drilling (CTD) / Through Tubing Rotary Drilling (TTRD)

Work Category's Description : Provision of personnel and equipment to perform Coiled Tubing Drilling /Through Tubing Rotary Drilling

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in O&G and/or 5 years experience in drilling	Proper office setup, calibration lab and workshop in Malaysia				

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310300	Expandable Tubular

Work Category's Description : To supply, deliver, install and test/commission Expandable Tubular (i.e. Expandable liner)

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Manager	Degree	Minimum 10 years experience in O&G	Proper office setup and workshop in Malaysia		Principal to have minimum 10 years experience in drilling		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310300	Expandable Tubular

Work Category's Description : To supply, deliver, install and test/commission Expandable Tubular (i.e. Expandable liner)

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	1.Office setup in Malaysia 2.Workshop facilities for storage, assembly and maintenance	Torque Machine			
Service Engineer	Degree in Engineering	Minimum 5 years experience in expandable tubular services					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310400	Casing Drilling

Work Category's Description : Provision of casing drilling equipment and services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 5 years experience in casing drilling	Proper office set up, calibration Lab and workshop in Malaysia	Complete set of Casing drilling Tools/equipment			
Casing Drilling Engineer	Degree in Engineering	Minimum 3 years experience in casing drilling					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310500	Swell / Expandable Packer

Work Category's Description : To supply, deliver, install and test/commission Swell/ Expandable Packer

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Manager	Degree	Minimum 10 years experience in oil & gas	1.Office setup in Malaysia 2.Workshop facilities for storage, assembly and maintenance		Principal to have minimum 10 years experience in drilling		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310500	Swell / Expandable Packer

Work Category's Description : To supply, deliver, install and test/commission Swell/ Expandable Packer

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation	1.Office setup in Malaysia 2.Workshop facilities for storage, assembly and maintenance	Torque Machine			
Service Engineer	Degree in Engineering	Minimum 5 years experience in swell / expandable packer services					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310600	Smart / Intelligent Well System

Work Category's Description : To supply, deliver, install, test/commission and maintenance Intelligent/Smart Well System. (Complete with PDG and Flow Control Valve (FCV))

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Manager	Degree	Minimum 10 years experience in oil & gas	1.Office setup in Malaysia 2.Workshop facilities for storage, assembly and maintenance		Principal to have minimum 10 years experience in completion		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310600	Smart / Intelligent Well System

Work Category's Description : To supply, deliver, install, test/commission and maintenance Intelligent/Smart Well System. (Complete with PDG and Flow Control Valve (FCV))

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in completion operation and/or 5 years experience in Smart / Intelligent Well System	Proper office setup and workshop in Malaysia	Complete Set of Smart / Intelligent Well System			
Smart /Intelligent Well Engineer	Degree in Engineering And/or Degree in Geo Science	Minimum 5 years experience in completion operation and/or 3 years experience in Smart/intelligent Well System.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2310800	Well Drilling Monitoring-Real Time Operation

Work Category's Description : Provision of Well Drilling Monitoring-Real Time Operation including personnel and services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 10 years experience in drilling and/or completion operation and/or 5 years experience in Well Drilling Monitoring	Proper office setup and operation centre in Malaysia	Relevant ICT Hardware and software			
RTOC Engineer	Degree in Engineering And/or Degree in Geo Science	Minimum 5 years experience in drilling and/or completion operation and/or 3 years experience in Well Drilling Monitoring.					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2311100	Well Bore Cleanup Equipment and Services

Work Category's Description : Provision of Well Bore Cleanup Equipment and Services including personnel

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Company/ Principal: Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling AND/OR completion operation AND/OR 3 years experience in Well Bore Cleanup Equipment and Services	Proper office setup in Malaysia		Principal to have minimum 10 years experience in Well Bore Cleanup Equipment and Services		

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP231	Specialised Drilling/Workover Services
		SP2311100	Well Bore Cleanup Equipment and Services

Work Category's Description : Provision of Well Bore Cleanup Equipment and Services including personnel

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in Engineering	Minimum 7 years experience in drilling AND/OR completion operation AND/OR 3 years experience in Well Bore Cleanup Equipment and Services	Proper office setup in Malaysia				

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2350000	Well Stimulation/Enhancement Services

Work Category's Description : Provision of stimulation equipment and chemicals, qualified personnel and equipment maintenance for onshore and offshore services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in any engineering	Minimum 5 years experience in well stimulation operation	Proper office setup and workshop in Malaysia	Complete Set of Well Stimulation Equipment and accessories			
Well Manager	Degree in any engineering	Minimum 3 years experience in well stimulation operation					

Work Category	:	SP2 SP2360000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Pipe Threading
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Work Category's Description : Provision of Pipe Threading Facilities and Services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools			
Technical Manager	Degree in any engineering	Minimum 5 years experience in oilfield tubular and OCTG	Proper office setup and workshop in Malaysia	Complete Set of Torque Machine and Threading Equipment		DOSH - JKJ112	
Well Manager	Degree in any engineering	Minimum 3 years experience in oilfield tubular and OCTG					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2410000	Well Control & Blowout Emergency Response

Work Category's Description : Provision of well control & blowout emergency response equipment, personnel and services

Mode of Operation : Agent

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience					
<u>AGENT</u> Technical Manager	Degree in any engineering discipline	5 years in oil & gas industry	Office setup in Malaysia				
<u>PRINCIPAL</u> Senior Well Control Specialist	Degree in any engineering discipline	10 years in well control prevention and blowout emergency response		Advance well control and kick modeling software (lease/own) Dynamic kill software (lease/own) Well kill equipment (e.g. high pressure pumping equipment and snubbing units)	5 years in well controls and emergency response		
Senior Well Control Engineer	Degree in any engineering discipline	7 years in well control prevention and blowout emergency response					

Work Category	:	SP2	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES
		SP2410000	Well Control & Blowout Emergency Response

Work Category's Description : Provision of well control & blowout emergency response equipment, personnel and services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia	Equipment / Machineries	Company's Experience	External Bodies Registration	Quality
Position Title	Qualification	Experience	E.g. Warehouse, Dockyard	E.g. Tools		E.g. CIDB	E.g. ISO, API Standard
Technical Manager	Degree in any engineering discipline	5 years in oil & gas industry	Office setup in Malaysia	Advance well control and kick modeling software (lease/own) Dynamic kill software (lease/own) Well kill equipment (e.g. high pressure pumping equipment and snubbing units)	5 years in well controls and emergency response		
Senior Well Control Specialist	Degree in any engineering discipline	10 years in well control prevention and blowout emergency response					
Senior Well Control Engineer	Degree in any engineering discipline	7 years in well control prevention and blowout emergency response					

Work Category	:	SP2 SP2420000	PRODUCTION / DRILLING / WORKOVER ASSOCIATED SERVICES Downhole Tractoring Services
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Work Category's Description : Provision of downhole tractoring equipment and services

Mode of Operation : Self-Operated

Minimum Technical Requirement							
Key Personnel			Facilities in Malaysia E.g. Warehouse, Dockyard	Equipment / Machineries E.g. Tools	Company's Experience	External Bodies Registration E.g. CIDB	Quality E.g. ISO, API Standard
Position Title	Qualification	Experience					
Technical Manager	Degree in Engineering	Minimum 5 years experience in drilling/completion services	Proper office setup and workshop in Malaysia				
Service Engineer	Degree in Engineering	Minimum 5 years experience in drilling/completion services					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010201	Ultrasonic Testing

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Advanced Ultrasonic Testing (e.g. PAUT, LRUT, Guided Wave, TOFD, and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Examiner Level 1	SPM or equivalent And ASNT Level 1 Or ACCP (ASNT Centre Certification Program Level 1) Or PCN (Personnel Certification for Non-Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 1) Or JPK (Jabatan Pembangunan Kemahiran) Level 1	Minimum 1 year experience in UT related	Manned and permanent office setup	Basic Calibration Blocks / Pipe			
Examiner Level 2	SPM or equivalent And ASNT Level 2 Or ACCP (ASNT Centre Certification Program Level 2) Or PCN (Personnel Certification for Non-Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 2) Or JPK (Jabatan Pembangunan Kemahiran) Level 2	Minimum 3 years experience in UT related					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010202	Radiation Testing

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Advanced Radiation Testing (e.g. Computerized Radiographic testing, SafeRad, Neutron Radiographic and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Radiation Protection Officer	Valid license from LPTA	3 years experience in Radiographic testing					
Radiographer	JPK Level 2	1.Minimum 3 years experience in Radiography Testing 2.Trained and certified to operate the specific equipment					
Assistant Radiographer	JPK Level 1	1.Minimum 1 years experience in Radiography Testing 2.Trained and certified to operate the specific equipment					
Intepreter	JPK Radiography Intepretation Level 2	Minimum 3 years experience in Radiography Intepretation					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010203	Radiotracer

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears for radiotracer services

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Radiation Protection Officer	Valid license from LPTA	3 years experience in Radiographic testing	Manned and permanent office setup	Radiation source (Ir-192, Co-60, X-ray) and accessories		AELB (Atomic Energy Licensing Board) / LPTA	1.Radiation Safety Management System
Operator	SPM or equivalent	2 years experience in Radiographic testing					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010204	Hydrogen Attenuation

Work Category's Description : Provision of manpower, equipment, consumables and safety gears for Hydrogen Attenuation

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Examiner Level 2	SPM or equivalent And ASNT Level 2 Or ACCP (ASNT Centre Certification Program Level 2) Or PCN (Personnel Certification for Non-Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 2) Or MLVK (Majlis Latihan Vokasional Kebangsaan) / JPK Level 2	3 years experience in Hydrogen Attenuation	Manned and permanent office setup	UT Flaw equipment and accessories			

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010205	Thermography

Work Category's Description : Provision of manpower, equipment, consumables and safety gears for Short and Long Wave thermography

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Thermographer / Infrared Operator	SPM or equivalent And ITC (Infrared Training Center) Certified Thermographer level 2 Or ASNT Level 2 Or ACCP (ASNT Centre Certification Prgram Level 2) Or PCN (Personnel Certification for Non- Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 2)	Minimum 3 years experience in thermography	Manned and permanent office setup	Owned or Rented 1. High Resolution Long wave Thermal Imager with built-in recorder and accessories 2. High Resolution 3.5µm short wave Gas FindIR with built- in recorder. *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).			
Gas Leak Thermographer	SPM or equivalent And ITC (Infrared Training Center) Certified Thermographer level 2	Minimum 3 years experience in thermography					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010206	Tube Inspection

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Tube Testing (e.g. ECT, RFET, acoustic eyes, IRIS, MFL)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Examiner Level 1	SPM or equivalent And ASNT Level 1 Or ACCP (ASNT Centre Certification Program Level 1) Or PCN (Personnel Certification for Non-Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 1) Or JPK (Jabatan Pembangunan Kemahiran) Level 1	1 year experience in Tube Inspection	Manned and permanent Office Setup	RFET, IRIS, acoustic eyes and MFL machine, Multiple Frequency Eddy Current, strip chart recorder, encoder, calibration tube, gun & pulley, and accessories			
Examiner Level 2	SPM or equivalent And ASNT Level 2 Or ACCP (ASNT Centre Certification Program Level 2) Or PCN (Personnel Certification for Non-Destructive Testing) / CSWIP (Certification Scheme for Welding Inspection Personnel Level 2) Or JPK (Jabatan Pembangunan Kemahiran) Level 2	3 years experience in Tube inspection					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010207	Visual Aid Inspection

Work Category's Description : Provision of manpower, equipment and safety gears for visual aid inspection (e.g. Boroscope, Videoscope, fibrescope and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Operator	SPM or equivalent	Minimum 1 year experience in Boroscope, Videoscope, fibrescope or specific visual aid inspection tools	Manned and permanent office setup	Boroscope / videoscope / fibrescope etc. (digitally recorded, data transferable to computer) equipment and accessories			

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010208	Acoustic Based Inspection

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Acoustic Based Inspection (e.g. Acoustic Resonance, Acoustic Emission, Sand monitoring and etc)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Engineering or Science And ASNT Central Certification Program - Level 2 (Acoustic Emission)	Minimum 3 years experience in Acoustic Emission inspection	Manned and permanent office setup.	Acoustic Emission equipment and accessories	Principal to have minimum 3 years proven track records in Acoustic Emission		
Operator	SPM or equivalent And ASNT Central Certification Program - Level 1 (Acoustic Emission)	Minimum 1 years experience in Acoustic Emission inspection					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 02	Advanced NDT
		SQ1010208	Acoustic Based Inspection

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Acoustic Based Inspection (e.g. Acoustic Resonance, Acoustic

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Engineering or Science And ASNT Central Certification Program - Level 2 (Acoustic Emission)	Minimum 3 years experience in Acoustic Emission inspection	Manned and permanent office setup.	Acoustic Emission equipment and accessories			
Operator	SPM or equivalent And ASNT Central Certification Program - Level 1 (Acoustic Emission)	Minimum 1 years experience in Acoustic Emission inspection					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010301	Phonon Diagnostic Technology

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Phonon diagnostic

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Field Engineer	Degree in Engineering or Science	1 years experience in Phonon Diagnostic and qualified by Principal	Manned and permanent office setup	1.Phonon diagnostic tools and accessories 2.Phonon Software			

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010301	Phonon Diagnostic Technology

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Phonon diagnostic

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Field Engineer	Degree in Engineering or Science	1 years experience in Phonon Diagnostic	Manned and permanent office setup	1.Phonon diagnostic tools and accessories 2.Phonon Software			

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010302	Acoustic Pulse Reflectometry (APR)

Work Category's Description : Provision of manpower, equipment, consumables and safety gears for Acoustic Pulse Reflectometry (APR)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Mechanical Engineer	Degree in Mechanical Engineering	3 years experience in heat exchanger / condenser / boiler cleaning & maintenance	Proper office setup	1.Acoustic Eye Dolphin G1 or G3 Inspection System and Software 2.Pneumatic Tube/ Pipe Cleaner		AELB (Atomic Energy Licensing Board) / LPTA	
Supervisor/ Technician	Certificate/ Diploma in Mechanical or Electrical & Electronic Engineering	Attended formal training by the tools manufacturer and 2 years experience in inspection using Acoustic Eye Inspection System					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010305	Column Scanning

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Column Scanning (e.g. Neutron Back Scattered scanning, Gamma Scanning)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in engineering or science	Minimum 3 years experience in Column Scanning Interpretation	Manned and permanent office setup	1.Radiation source (gamma or neutron) 2.Data logger Software		AELB (Atomic Energy Licensing Board) / LPTA	1.Radiation Safety Management System
Radiation Protection Officer	Valid license from LPTA	3 years experience in Radiographic testing					
Radiographer	Jabatan Pembangunan Kemahiran (JPK) Level 2 Or International Certification (PCN, ASNT, CSWIP)	1.Minimum 3 years experience in Radiography Testing 2.Trained and certified to operate the specific equipment					
Assistant Radiographer	Jabatan Pembangunan Kemahiran (JPK) Level 1 Or International Certification (PCN, ASNT, CSWIP)	1.Minimum 1 years experience in Radiography Testing 2.Trained and certified to operate the specific equipment					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010306	Caisson Inspection

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Cassion Inspection

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Field Engineer	Degree in Engineering or Science	Minimum 3 years experience in Inspection services	Manned and permanent office setup	1.Caisson Inspection tools and accessories 2.Data logger software	Principal to have minimum 5 years proven track records in Caisson Inspection by carrying out Advanced NDT and camera inspection,		

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010306	Caisson Inspection

Work Category's Description : Provision of manpower, equipment, consumables, facilities and safety gears to conduct Cassion Inspection

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering or Science	Minimum 5 years experience in managing projects, procurement and etc	Manned and permanent office setup	1.Caisson Inspection tools and accessories 2.Data logger software			
Field Engineer	Degree or equivalent And ASNT / PCN / CSWIP Level II in Ultrasonic Testing	3 years experience in Caisson Inspection Internally or Externally					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 01	Non Destructive Test (NDT) Services
		SQ1 01 03	Specialized NDT
		SQ1010307	Tank NDT Inspection

Work Category's Description : Provision of manpower, equipment and safety gears for Tank inspection (e.g. Tank Floor Scanning (MFL), Crawler UT and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any discipline	Minimum 5 years experience in managing inspection works					
Inspection Engineer	Degree in Engineering or Science	Minimum 3 years experience in Tank Inspection					
Operator	SPM or equivalent	Minimum 3 years experience in the specific tank NDT Inspection					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 02	Destructive Testing
		SQ1020000	Failure Analysis

Work Category's Description : Provision of manpower, equipment, consumables and safety gears for Failure Analysis including In-situ Metallography/ Replica, Scoop sampling, lab analysis, mechanical testing and corrosion testing

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Engineering or Science	Minimum 2 years experience in materials testing and failure investigation work	1.Manned and permanent office setup 2.Operational laboratory for basic failure analysis. 3.Access to mechanical & corrosion testing laboratory	Laboratory equipment used to conduct sample analysis (e.g. Micro structure, mechanical and chemical)			1.Lab testing Accredited to Skim Akreditasi Makmal Malaysia (SAM) or equivalent
Technician	Diploma or Certificate (Sijil) in Engineering or Science	Minimum 2 years experience in materials testing and failure investigation work					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 03	Inspection Services
		SQ1030100	Risk Based Inspection

Work Category's Description : Provision of manpower and software to conduct Risk Based Inspection study

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
RBI Engineer	Degree in Engineering of related field	3 years experience in Risk Based Inspection	Manned and permanent office setup	RBI software (Owned or rent)			
Corrosion Engineer	Degree in Engineering of related field	3 years experience in material & corrosion					
Technical Assistant	SPM or equivalent OR Diploma or higher in Engineering or related field	1 year experience in engineering/ inspection data management (if with SPM) OR Not required (if with diploma in engineering)					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 03	Inspection Services
		SQ1 03 03	Equipment Inspection
		SQ1030309	Lifting Equipment - Offshore Crane Inspection

Work Category's Description : Provision of manpower, equipment and safety gears for offshore crane inspection, load test and certification

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Crane Surveyor	SPM or equivalent	3 years experience in offshore crane inspection and certified by Crane Manufacturer	Manned and permanent office setup	Inspection tools, load testing equipment, load cell and accessories			

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 04	Corrosion Control & Monitoring Services
		SQ1040100	Corrosion Monitoring Services

Work Category's Description

:

Provision of manpower, equipment, consumables and safety gears for corrosion monitoring services (including corrosion coupon, electrical resistance probe and linear polarization resistance probe)

Mode of Operation

:

Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Field Engineer	Degree in any engineering or science And NACE Basic Corrosion Certification	3 years experience in corrosion monitoring	1.Manned and permanent office setup 2.Workshop	Coupon retrieval tools and accessories			
Corrosion Engineer	Degree in any engineering or science	3 years experience in corrosion monitoring					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 04	Corrosion Control & Monitoring Services
		SQ1 04 02	Cathodic Protection
		SQ1040201	Specialized CP Survey

Work Category's Description : Provision of manpower, equipment and safety gears for (e.g. Direct Current Voltage Gradient (DCVG), Close Interval Potential Survey (CIPS) and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering or Science	Minimum 7 years experience in managing projects, procurement and etc	1.Manned and permanent office setup 2.Workshop	Calibration and analytical tools and software			1.NACE standards
Engineer	Degree in Engineering or Science And Certification Corrosion related from National Association Corrosion Engineers (NACE) or other recognized body (e.g. The Welding Institute (TWI), Institute of Materials Malaysia (IMM) , etc)	Minimum 5 years experience in Cathodic Protection specialized survey					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 04	Corrosion Control & Monitoring Services
		SQ1 04 02	Cathodic Protection
		SQ1040202	CP Potential Survey

Work Category's Description : Provision of manpower, equipment and safety gears for CP Potential Survey (e.g. Insulating Flanges Testing (IF), Test Point and etc)

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering or Science	Minimum 7 years experience in managing projects, procurement and etc	1.Manned and permanent office setup 2.Workshop	Calibration and analytical tools and software			1.NACE standards
Engineer	Degree in Engineering or Science And Certification Corrosion related from National Association Corrosion Engineers (NACE) or other recognized body (e.g. The Welding Institute (TWI), Institute of Materials Malaysia (IMM) , etc)	Minimum 5 years experience in Cathodic Protection potential survey					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 04	Corrosion Control & Monitoring Services
		SQ1 04 02	Cathodic Protection
		SQ1040203	CP Design Services

Work Category's Description : Provision of design consultancy and adequacy review services for CP system

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering or Science	Minimum 7 years experience in managing projects, procurement and etc	Manned and permanent office setup	Design software			1.NACE standards
Design Engineer	Degree in Engineering or Science And Certification Corrosion related from National Association Corrosion Engineers (NACE) or other recognized body (e.g. The Welding Institute (TWI), Institute of Materials Malaysia (IMM) , etc)	Minimum 5 years experience in Cathodic Protection design					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 04	Corrosion Control & Monitoring Services
		SQ1 04 02	Cathodic Protection
		SQ1040204	CP Maintenance Services

Work Category's Description : Provision of manpower, equipment and safety gears for CP maintenance services

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in Engineering or Science	Minimum 7 years experience in managing projects, procurement and etc	1.Manned and permanent office setup 2.Workshop	Calibration and analytical tools and software			1.NACE standards
Engineer	Degree in Engineering or Science And Certification Corrosion related from National Association Corrosion Engineers (NACE) or other recognized body (e.g. The Welding Institute (TWI), Institute of Materials Malaysia (IMM) , etc)	Minimum 5 years experience in Cathodic Protection maintenance					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 06	Coating Services
		SQ1060100	Surface Preparation, Painting & Coating

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for gritblasting surface preparation, painting and coating for piping, structure and plant equipment

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	3 years experience surface preparation, painting and coating 5 years experience in surface preparation, painting and coating	1.Proper office setup 2.Operational workshop	Air compressor, blasting and painting equipment, surface tester, humidity tester, DFT tester, holiday tester, Chloride Tester *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).		IMM (Institute of Material Malaysia) certification or equivalent (e.g. NACE, TWI, etc) for blaster and painter	1.Surface preparation and painting procedure 2.Blasting and painting safety procedure
Quality Controller	Certificate in related field	3 years experience in quality assurance and quality control in blasting and coating					

Work Category	:	SQ1	QUALITY ASSURANCE:MCI
		SQ1 06	Coating Services
		SQ1060200	Hydroblasting

Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for hydroblasting for piping, structure and plant equipment

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	3 years experience in hydroblasting 5 years experience in hydroblasting	1.Proper office setup 2.Operational workshop	Hydroblasting equipment *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).		IMM (Institute of Material Malaysia) certification or equivalent (e.g. NACE, TWI, etc) for blaster	1.Surface preparation procedure 2.Hydroblasting safety procedure
Quality Controller	Certificate in related field	3 years experience in quality assurance and quality control in hydroblasting					

Work Category	:	SQ1 SQ1 06 SQ1060300	QUALITY ASSURANCE:MCI Coating Services Special Coating/Wrapping
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Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for special coating (ceramic, rubber lining, glass flake, fibre glass, chrome coating, fire proofing, etc) for piping, structure and plant equipment

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	3 years experience in special coating/wrapping 5 years experience in special coating/wrapping	1.Proper office setup 2.Operational workshop	Air compressor, power tools, coating equipment, surface tester *Company to provide the list of equipment, quantity, owned/ rent, owner (if rented).		IMM (Institute of Material Malaysia) certification or equivalent (e.g. NACE, TWI, etc) for blaster	1.Surface preparation and coating/wrapping procedure
Quality Controller	Certificate in related field	3 years experience in quality assurance and quality control in special coating/wrapping					

Work Category	:	SQ1 SQ1 06 SQ1060400	QUALITY ASSURANCE:MCI Coating Services Corrosion Prevention of Bolt, Nut and Flanges Using Composite Compound
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Work Category's Description

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The provision of labour, materials, consumables, equipments and facilities necessary for corrosion prevention of bolt, nut and flanges using composite compound

Mode of Operation

:

Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	Diploma in Engineering or relevant field Or Certificate in related field	3 years experience in corrosion prevention 5 years experience in corrosion prevention	Proper office setup	1.Personal hand tool 2.Applicable equipment			

Work Category	:	SQ1 SQ1 08 SQ1080100	QUALITY ASSURANCE:MCI Industrial Wrapping Application Pressure Containment
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Work Category's Description

:

Provision of labour, materials, consumables, equipments and facilities necessary for repair services for pressure containment (e.g. Composite pipe repair, diamond wrap, clock spring, armour plate and etc)

Mode of Operation

:

Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Engineering or Science	Minimum 3 years experience in industrial wrapping	1.Manned and permanent office setup 2.Workshop	Wrapping tools and kits			

Work Category	:	SS1 SS1 02 SS1020100	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CPBM Data Collection, Monitoring and Analysis
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Work Category's Description : Provision of condition monitoring data collection such as vibration/acoustic, lube oil analysis, thermography, process parameter and performance, etc. for rotating equipment

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	3 years experience in CPBM data collection, monitoring & analysis. Trained and certified from Principal	1. Manned and permanent office setup 2. Analyzing facilities	Analyzing tools and licensed software			
Specialist	Degree in Mechanical Engineering or any related Engineering field and related professional certification (e.g. ASNT Level II, ICML, etc.)	5 years experience in CPBM data collection, monitoring & analysis					
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	3 years experience in CPBM data collection, monitoring & analysis Or 5 years experience in CPBM data collection, monitoring & analysis					

Work Category	:	SS1 SS1 02 SS1020100	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CPBM Data Collection, Monitoring and Analysis
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Work Category's Description : Provision of condition monitoring data collection such as vibration/acoustic, lube oil analysis, thermography, process parameter and performance, etc. for rotating equipment

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering or related Engineering field	5 years experience in CPBM data collection, monitoring & analysis.	1. Manned and permanent office setup 2. Analyzing facilities	Analyzing tools and licensed software			
Specialist	Degree in Mechanical Engineering or any related Engineering field and related professional certification (e.g. ASNT Level II, ICML, etc.)	7 years experience in CPBM data collection, monitoring & analysis					
Supervisor	Diploma in Mechanical Engineering or related Engineering field Or Certificate in related field	5 years experience in CPBM data collection, monitoring & analysis Or 7 years experience in CPBM data collection, monitoring & analysis					

Work Category	:	SS1	SPECIAL CATEGORIES MAINTENANCE
		SS1 02	Condition Performance Based Monitoring (CPBM)
		SS1 02 03	CBM Data Collection, Monitoring & Analysis (Electrical)
		SS1020301	Transformer Oil Analysis

Work Category's Description : Provision of sampling, testing, data collection and analysis of Transformer oil

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Chemist	Degree in Chemistry	3 years experience in oil analysis	1. Operational Laboratory	1. Gas Chromatography 2. Breakdown voltage tester 3. Voltage Calibrator 4. Insulating Oil Tester 5. Fourier Transform Infrared (FT-IR) 6. High Performance Liquid Chromatography(HPLC) 7. Automatic Coulometric Karl Fischer Titrator 8. Automated Insulation Power Factor Test Set			
Site Technician	Certificate in any Engineering field	3 years experience in oil sampling					

Work Category	:	SS1 SS1 02 SS1 02 03 SS1020302	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CBM Data Collection, Monitoring & Analysis (Electrical) TAN Delta Analysis
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Work Category’s Description : Provision of performing recording, measurement and analysis of TAN Delta

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Electrical Engineering	3 years experience in TAN Delta analysis	Manned and permanent office setup	TAN Delta Measurement Equipment			
Senior Analyst	Degree in Electrical Engineering	5 years experience in TAN Delta analysis					

Work Category	:	SS1 SS1 02 SS1 02 03 SS1020303	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CBM Data Collection, Monitoring & Analysis (Electrical) Motor Current Signature Analysis (MCSA)
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Work Category’s Description : Provision of performing recording, measurement and analysis of MCSA

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Electrical Engineering	3 years experience in MCSA analysis	Manned and permanent office setup	MCSA Measurement Equipment			
Senior Analyst	Degree in Electrical Engineering	5 years experience in MCSA analysis					

Work Category	:	SS1 SS1 02 SS1 02 03 SS1020304	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CBM Data Collection, Monitoring & Analysis (Electrical) Thermography Analysis
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Work Category’s Description : Provision of performing recording, measurement and analysis of Thermography

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Thermographer	Thermography certificate level 1 by Infrared Training Centre (ITC)	3 years experience in thermography analysis	Manned and permanent office setup	Infrared thermal imager/camera			

Work Category	:	SS1 SS1 02 SS1 02 03 SS1020305	SPECIAL CATEGORIES MAINTENANCE Condition Performance Based Monitoring (CPBM) CBM Data Collection, Monitoring & Analysis (Electrical) Partial Discharge Analysis
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Work Category’s Description : Provision of performing recording, measurement and analysis of Partial Discharge

Mode of Operation : Self Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company’s Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Electrical Engineering	3 years experience in partial discharge analysis	Manned and permanent office setup	Partial discharge measurement and recording device			
Senior Analyst	Degree in Electrical Engineering	5 years experience in partial discharge analysis					

Work Category	:	SS1 SS1 03 SS1030100	SPECIAL CATEGORIES MAINTENANCE On-Line Under Pressure Maintenance Online Leak Sealing
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Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for online leak sealing

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer	Degree in Mechanical Engineering	5 years experience in Online Leak Sealing	1. Proper office in Malaysia 2. Operational workshop in Malaysia 3. Access fabrication workshop for clamp fabrication in Malaysia On-Line Under Pressure Maintenance Hot Tapping & Line Stoppling	1. Injection pump 2. Hand tools			
Technician	Certificate in engineering	5 years experience in Online Leak Sealing					

Work Category	:	SS1 SS1 03 SS1030200	SPECIAL CATEGORIES MAINTENANCE On-Line Under Pressure Maintenance Hot Tapping & Line Stoppling
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Work Category's Description : The provision of manpower, materials, consumables, equipment and facilities necessary for hot tapping & line stoppling

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Engineer	Degree in Mechanical Engineering	5 years experience in Hot Tapping & Line Stoppling	1. Proper office in Malaysia 2. Operational workshop in Malaysia 3. Access fabrication workshop for clamp fabrication in Malaysia	1. Hot tapping tools (e.g. drill machine, line stopple) 2. Hand tools			
Technician	Certificate in engineering	5 years experience in Hot Tapping & Line Stoppling	On-Line Under Pressure Maintenance Hot Tapping & Line Stoppling				

Work Category	:	SS1 SS1 03 SS1030400	Special Categories Maintenance On-line Under Pressure Maintenance Line Freezing
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Work Category's Description : The provision of labour, materials, consumables, equipments and facilities necessary for repair, maintenance, insitu test and setting and commissioning of relief valve (including vacuum breaker & rupture disc)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Field Engineer / Supervisor	Degree or diploma / certificate in any Engineering discipline	Minimum 5 years experience in line freezing	1. Manned and permanent office setup 2. Operational workshop	Line freezing equipment and accessories		1. Business License from Local Authority 2. DOSH – JKJ112	
Site Technician	Relevant sealing / wrapping certificate (attended leak sealing course)	Minimum 3 years experience in line freezing					

Work Category

:

SS1
SS1050000

SPECIAL CATEGORIES MAINTENANCE
Decoking

Work Category's Description

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The provision of manpower, materials, consumables, equipment and facilities necessary for decoking

Mode of Operation

:

Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in Mechanical Engineering	3 years experience in Decoking	Proper office setup in Malaysia	Pigging machine and accessories			
Supervisor	SPM Or equivalent	5 years experience in Decoking					

Work Category	:	SS1 SS1080000	Special Categories Maintenance Equipment Chemical Cleaning
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Work Category's Description : Provision of expert advice, labour, equipment and chemical for equipment chemical cleaning services and post cleaning services (e.g.

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in any engineering discipline	Minimum of 5 years experience in chemical cleaning	1. Manned and permanent office setup	Chemical Cleaning Equipment 1. Pump 2. Retention Tank 3. Hoses 4. Connection 5. Waste Retention Equipment 6. Appropriate corrosion monitoring tools (e.g. Corrosion Coupon Holder) 7. Tools kit for lab test (e.g. pH meter, conductivity, iron and etc)		Business License from Local Authority	
Site Supervisor / Technician	Diploma in any field of engineering	Minimum of 3 years experience in chemical cleaning and able to conduct full range of chemical analysis require during chemical cleaning exercise					

Work Category	:	SS1 SS1080000	Special Categories Maintenance Equipment Chemical Cleaning
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Work Category's Description : Provision of expert advice, labour, equipment and chemical for equipment chemical cleaning services and post cleaning services (e.g. passivation and handling of waste and etc)

Mode of Operation : Agent

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Engineer	Degree in any engineering discipline	Minimum of 5 years experience in chemical cleaning	1. Manned and permanent office setup	Chemical Cleaning Equipment 1. Pump 2. Retention Tank 3. Hoses 4. Connection 5. Waste Retention Equipment 6. Appropriate corrosion monitoring tools (e.g. Corrosion Coupon Holder) 7. Tools kit for lab test (e.g. pH meter, conductivity, iron and etc)	Principal to have minimum of 10 years in providing chemical cleaning and minimum 15 proven track record in chemical cleaning	Business License from Local Authority	
Site Supervisor / Technician	Diploma in any field of engineering	Minimum of 3 years experience in chemical cleaning and able to conduct full range of chemical analysis require during chemical cleaning exercise					

Work Category	:	SS1	SPECIAL CATEGORIES MAINTENANCE
		SS1 09	Catalyst & Absorbent Changeout
		SS1090100	Internal Media Changeout

Work Category's Description : Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of internal media (e.g. clay, resin, salt, ACF, etc.) of vessel (e.g. Moisture removal, Chloride removal, Mercury removal, Sulphur removal, Molecular sieve, Propane treater, Butane treater, Feedgas drier, etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM or Equivalent with Confined space certification (Level 2: AGTES – Authorized Gas Tester & Entry Supervisor)	5 years experience in mechanical maintenance work in oil & gas industry	1. Proper office setup in Malaysia 2. Workshop	1. Vacuum machine (own / lease) 2. Hopper (own / lease) 3. Personnel rescue equipment (own / lease)			

Work Category	:	SS1	SPECIAL CATEGORIES MAINTENANCE
		SS1 09	Catalyst & Absorbent Changeout
		SS1090200	Single / Fixed Bed

Work Category's Description : Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Single Bed Reactor or Single Bed Absorber with single-layer or multi-layer catalyst inclusive of Sock Loading and/or Dense Loading (e.g. Naptha Hydrotreating, Isomerisation, Pressure Swing Absorber, Steam Reformer, Methanol Reactor, Ammonia Primary Reformer, Residue Fluid Catalytic Cracking (RFCC), etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM or Equivalent with Confined space certification (Level 2: AGTES – Authorized Gas Tester & Entry Supervisor)	5 years experience in Mechanical maintenance work in Oil and Gas Industry	1. Proper office setup in Malaysia 2. Workshop	1. Vacuum machine (own / lease) 2. Hopper (own / lease) 3. Sieving machine (own / lease) 4. Inert entry equipment (own / lease) 5. Personnel rescue equipment (own / lease)			
Technician	SPM or Equivalent with Confined space certification (Level 1: AESP – Authorized Entrant & Standby Person)	5 years experience in Catalyst Change-Out services					

Work Category	:	SS1 SS1 09 SS1090300	SPECIAL CATEGORIES MAINTENANCE Catalyst & Absorbent Changeout Moving Bed
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Work Category's Description : Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Moving Bed Reactor or Moving Bed Absorber inclusive of Sock Loading (e.g. Continuous Catalyst Regeneration (CCR), etc)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM or Equivalent with Confined space certification (Level 2: AGTES – Authorized Gas Tester & Entry Supervisor)	7 years experience in Catalyst Change-Out services including 1 completed project in moving bed reactor inclusive of sock loading and/or dense loading	1. Proper office setup in Malaysia 2. Workshop	1. Vacuum machine (own) 2. Hopper (own) 3. Sieving machine (own) 4. Inert entry equipment (own) 5. Personnel rescue equipment (own)			
Technician	SPM or Equivalent with Confined space certification (Level 1: AESP – Authorized Entrant & Standby Person)	5 years experience in catalyst changeout services					

Work Category	:	SS1 SS1 09 SS1090400	SPECIAL CATEGORIES MAINTENANCE Catalyst & Absorbent Changeout Multi Bed
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Work Category's Description : Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Multi Bed Reactor or Multi Bed Absorber with single layer or multi layer catalyst inclusive of Sock Loading and/or Dense Loading (e.g. Adsorbent Chambers, Distillate Hydrotreating, Hydrocracking, etc.)

Mode of Operation : Self-Operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Supervisor	SPM or Equivalent with Confined space certification (Level 2: AGTES – Authorized Gas Tester & Entry Supervisor)	7 years experience in catalyst 7 years experience in Catalyst Change-Out services including 1 completed project in Multi Bed reactors	1. Proper office setup in Malaysia 2. Workshop	1. Vacuum machine (own) 2. Hopper (own) 3. Sieving machine (own) 4. Inert entry equipment (own) 5. Personnel rescue equipment (own)			
Technician	SPM or Equivalent with Confined space certification (Level 1: AESP – Authorized Entrant & Standby Person)	5 years experience in catalyst changeout services					

Work Category	:	SV1	SUBSEA
		SV1010000	Subsea Production System Maintenance and Repair Services

Work Category's Description : Provision of manpower, tooling, spares, refurbishment, equipment, project management and engineering in Subsea Equipment Maintenance and Repair Services (e.g. Subsea Christmas tree, control system, distribution system, hardware, structure, tooling, etc.)

Mode of Operation : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities E.g. Warehouse, Dockyard	Equipment E.g. Tools	Company's Experience	External Body Registration E.g. CIDB, DOSH	Quality E.g. ISO, API Standard
Designation	Qualification	Experience					
Project Manager	Degree in any engineering discipline	Minimum 10 years experience in subsea equipment maintenance and repair.					
Subsea Lead engineer	Diploma in any engineering discipline	Minimum 5 years experience in subsea equipment maintenance and repair.					
HSE Manager	Diploma in any engineering discipline	Minimum 5 years experience in HSE oil and gas.					

Work Category : SA1010100 - AIR TRANSPORTATION & SUPPORT SERVICES - Helicopter Services

Work Category's Description : The provision of manpower, equipment, facilities and services for helicopter operation and maintenance including

Sector Application : Upstream / Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
Base Manager	Degree in any discipline and/or a licensed pilot/engineer in aviation industry	Minimum 3 years experience in managing helicopter operations	Manned and permanent office setup			Registered with Dept. of Civil Aviation (DCA) Malaysia with Air Operators Certificate (AOC)	
Chief Pilot	Valid Airline Transport Pilot License (ATPL)	Flying instructor and examiner experience with minimum 3 years experience in managing /supervisory position					
Technical Support Manager	Degree or license aircraft engineer in A&C or E&I, rated on type	Minimum 5 years experience in supervisory role					
Quality Assurance (QA) & Safety Management System (SMS) Manager	Degree in any engineering discipline or License in Aircraft engineer/pilot	Minimum 5 years experience in QA/safety management functions					

Work Category : SA1010200 - AIR TRANSPORTATION & SUPPORT SERVICES - Fixed Wing Services

Work Category's Description : The provision of manpower, equipment, facilities and services for fixed wing operation and maintenance

Sector Application : Upstream / Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
Base Manager	Degree in any discipline and/or a licensed pilot/engineer in aviation industry	Minimum 3 years experience in managing helicopter operations	Manned and permanent office setup			Registered with Dept. of Civil Aviation (DCA) Malaysia with Air Operators Certificate (AOC)	
Chief Pilot	Valid Airline Transport Pilot License (ATPL)	Flying instructor and examiner experience with minimum 3 years experience in managing /supervisory position					
Technical Support Manager	Degree or license aircraft engineer in A&C or E&I, rated on type	Minimum 5 years experience in supervisory role					
Quality Assurance (QA) & Safety Management System (SMS) Manager	Degree in any engineering discipline or License in Aircraft engineer/pilot	Minimum 5 years experience in QA/safety management functions					

Work Category : SL2010300 - LEASING & RENTAL - Supply Base Leasing / Rental

Work Category's Description : N/A

Sector Application : Upstream / Downstream

Modus Operandi : Self-operated

MINIMUM TECHNICAL REQUIREMENT							
Key Personnel			Facilities e.g. Ware house, Dockyard	Equipment e.g. Tools	Company's Experience	External Body Registration e.g. MOF, CIDB	Quality e.g. Procedure of ISO, Standard of API
Designation	Qualification	Experience					
General Manager - Operations	Degree in any discipline	10 years experiences in port operation	1) Adequate land facing sea-front 2) Berthing with minimum of following facilities: i) Fuel bunkering ii) Water supply iii) Food cargo handling iv) Open space for transit	1) Mechanical handling equipment 2) Cargo handling equipment		1) Approved Supply Base License from Ministry of Finance 2) Approved bonded area for Oil & Gas from Royal Malaysian Customs	
Operations Manager	Degree in any discipline	5 years experiences in port operation					
Technical Manager	Diploma in any discipline	5 years experiences in port operation					
HSE Manager	Degree in any discipline	3 years experience in port operation					
Security Manager	Diploma in any discipline or equivalent or ex-armed forces	2 years experience in port operation					