

APPENDIX I

(See Paragraph-6)

FORM 1

Note : If space provided against any parameter is inadequate, Kindly upload supporting document under 'Additional Attachments if any' at the last part of the Form1. Please note that all such Annexures must be part of single pdf document.

(I) Basic Informations

S.No.	Item	Details
1.	Name of the Project	Environmental Clearance for Exploratory Drilling of Twenty Nine (29) Wells in additional Ten (10) ML Blocks of Western Onshore Basin District Mehsana-Patan, Gujarat as per Annexure-I
2.	Project Sector	Industrial Projects - 2
3.	Location of the project	Mehsana-Patan Districts(Gujarat)
4.	Shape of the project land Uploaded GPS file Uploaded copy of survey of India Toposheet	Block (Polygon) Annexure-GPS file Annexure-Survey of india toposheet
5.	Brief summary of project	Annexure-Brief summary of project
6.	State of the project	Gujarat

Details of State of the project

S.no	State Name	District Name	Tehsil Name
(1.)	Gujarat	Mahesana	Mahesana
(2.)	Himachal Pradesh	Shimla	Dodra Kwar(T)
(3.)	Maharashtra	Mumbai	Mumbai

7.	Town / Village	Mehsana-Patan District
8.	Plot/Survey/Khasra No.	xx
9.	S. No. in the schedule	1(b) Offshore and onshore oil and gas exploration, development & production
10.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled	29 ha.
11.	New/Expansion/Modernization	New
12.	Category of project i.e. 'A' or 'B'	B
13.	Does it attract the general condition? If yes, please specify	No
15.	Does it attract the specific condition?	No

16.	Is there any litigation pending against the project?	No
17.	Nearest railway station along with distance in kms.	Mehsana, 2 km
18.	Nearest airport along with distance in kms	Ahmedabad, 80 km
19.	Nearest Town/City/District Headquarters along with distance in kms	Mehsana , 2 km
20.	Details of alternative sites examined shown on a toposheet	No
21.	Whether part of interlinked projects?	No
22.	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980?	No
23.	Whether the proposal involves approval/clearance under the wildlife (Protection)Act,1972?	No
24.	Whether the proposal involves approval/clearance under the C.R.Z notification,2011?	No
25.	Whether there is any Government Order/Policy relevent/relating to the site?	No
26.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up?	No
27.	Project Cost(in lacs)	29500

Activity

1 Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S.No	Information/Checklist confirmation	Yes/No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	No	
1.2	Clearance of existing land, vegetation and buildings?	No	
1.3	Creation of new land uses?	No	
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	

1.5	Construction works?	Yes	Site preparation for drilling rig and Temporary sheds construction for the storage of chemicals and other materials
1.6	Demolition works?	No	
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Mobile Bunk houses will be deployed for housing man power. Temporary sheds will be constructed for the storage of chemicals and other materials
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations and fill or excavations	Yes	Mobile Bunk houses will be deployed for housing man power. Temporary sheds will be constructed for the storage of chemicals and other materials
1.9	Underground works including mining or tunneling?	Yes	Vertical well will be drilled up to depth of 2000 to 3000 M for the exploration of oil & gas.
1.10	Reclamation works?	No	
1.11	Dredging?	No	
1.12	Offshore structures?	No	
1.13	Production and manufacturing processes?	No	
1.14	Facilities for storage of goods or materials?	Yes	Temporary sheds will be constructed for the storage of chemicals and other materials
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste like drill cuttings will be collected in HDPE lined pits. Mobile ETP will be deployed for the treatment of waste water, treated water will be re-cycled and re-used.
1.16	Facilities for long term housing of operational workers?	No	
1.17	New road, rail or sea traffic during construction or operation?	No	
1.18	New road, rail, air water borne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	
1.20	New or diverted transmission lines or pipelines?	No	
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	
1.22	Stream crossings?	No	
1.23	Abstraction or transfers of water from ground or surface waters?	No	

1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Materials and man power will be transported by trailers, trucks and LMV.
1.26	Long-term dismantling or decommissioning or restoration works?	No	
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	
1.28	Influx of people to an area in either temporarily or permanently?	No	
1.29	Introduction of alien species?	No	
1.30	Loss of native species or genetic diversity?	No	
1.31	Any other actions?	No	

2 Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	110x110 mt of land will be temporarily acquired for drilling operations.
2.2	Water (expected source & competing users) unit: KLD	Yes	Water supplied through tankers. 25 KLD will be used.
2.3	Minerals (MT)	Yes	Bentonite (Approx. 50 MT) and Barytes (Approx. 200 MT)
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	
2.5	Forests and timber (source – MT)	No	
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT),energy (MW)	Yes	3 KLD of HSD per well during operation.
2.7	Any other natural resources (use appropriate standard units)	No	

3 Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates,
------	------------------------------------	--------	---

			wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies	No	
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	
3.3	Affect the welfare of people e.g. by changing living conditions?	No	
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	
3.5	Any other causes	No	

4 Production of solid wastes during construction or operation or decommissioning (MT/month)

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	Yes	Approximately 200 Cu M of drill cuttings per well will be generated and collected in HDPE lined pits. The pit will be covered with native soil after completion of operations.
4.2	Municipal waste (domestic and or commercial wastes)	No	
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Approximately 600 L of spent oil and used batteries will be collected and disposed thru the authorized re-cycleres.
4.4	Other industrial process wastes	No	
4.5	Surplus product	No	
4.6	Sewage sludge or other sludge from effluent treatment	No	
4.7	Construction or demolition wastes	No	
4.8	Redundant machinery or equipment	No	
4.9	Contaminated soils or other materials	No	
4.10	Agricultural wastes	No	
4.11	Other solid wastes	No	

5 Release of pollutants or any hazardous, toxic or noxious substances to air(Kg/hr)

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emissions of SO _x , NO _x and particulate matter from captive DG sets operation. All emissions are maintained as per NAAO norms.
5.2	Emissions from production processes	No	
5.3	Emissions from materials handling including storage or transport	No	
5.4	Emissions from construction activities including plant and equipment	No	
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	
5.6	Emissions from incineration of waste	No	
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	
5.8	Emissions from any other sources	Yes	Burning natural gas will be carried out during testing (1-2 days)

6 Generation of Noise and Vibration, and Emissions of Light and Heat:

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	
6.2	From industrial or similar processes	No	
6.3	From construction or demolition	No	
6.4	From blasting or piling	No	
6.5	From construction or operational traffic	No	
6.6	From lighting or cooling systems	No	
6.7	From any other sources	No	

7 Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	
7.3	By deposition of pollutants emitted to air into the land or into water	No	
7.4	From any other sources	No	
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	

8 Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	
8.2	From any other causes	Yes	Possibility of Blow-out during drilling for which BOPs are installed for controlling. Blow-out contingency plan in place in case of emergency.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	

9 Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: - Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) - housing development - extractive industries	No	

	◦ supply industries ◦ Other		
9.2	Lead to after-use of the site, which could have an impact on the environment	No	
9.3	Set a precedent for later developments	No	
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	

(III) Environmental Sensitivity

S.No	Areas	Name/Identity	Aerial distance (within 15km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	
4	Inland, coastal, marine or underground waters	No	
5	State, National boundaries	No	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	
7	Defence installations	No	
8	Densely populated or built-up area	No	
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	No	
10	Areas containing important, high quality or scarce resources.(ground water resources,surface resources,forestry,agriculture,fisheries,tourism,minerals)	No	
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions) similar effects	No	

(IV) PROPOSED TERMS OF REFERENCE FOR EIA STUDIES

1	Uploaded Proposed TOR File	Annexure-TOR file
2	Uploaded scanned copy of covering letter	Annexure-scanned copy of covering letter
3	Uploaded Pre-Feasibility report(PFR)	Annexure-PFR

(V) Undertaking

The aforesaid application and documents furnished here with are true to my knowledge

V. (i)	Name of Applicant Designation Name of Company(Applicant Name should not be given here) Address	DrJ S Sharma GM HEAD ENVIRONMENT ONGC LTD Jeevan Bharti Building, Tower I& I, Rajeev Chownk
-----------	--	--

[Print](#)