



**NOTICE INVITING OFFERS (NIO),
FORMAT FOR SUBMISSION OF BIDS &
PRICE LIST OF INFORMATION DOCKETS
AND DATA PACKAGES ETC.
FOR
EXPLORATION OF OIL AND NATURAL GAS
UNDER
NEW EXPLORATION LICENSING POLICY
NINTH OFFER OF BLOCKS**

**MINISTRY OF PETROLEUM & NATURAL GAS
GOVERNMENT OF INDIA**

2010

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**NOTICE INVITING OFFERS
FOR
EXPLORATION OF OIL AND NATURAL GAS
UNDER
NEW EXPLORATION LICENSING POLICY
NINTH ROUND (NELP-IX)**

ANNOUNCEMENT

Under the New Exploration Licensing Policy (NELP) for exploration of oil and natural gas, the Government of India announces Ninth offer of exploration blocks. Companies are invited to bid for 34 exploration blocks on offer. A total of 19 Onland blocks of which 8 are Type S blocks, 7 Shallow water blocks and 8 Deepwater blocks (beyond 400 metre bathymetry) are on offer. Companies may bid for one or more blocks, singly or in association with other companies, through an unincorporated or incorporated venture. For Onland small size blocks with area of less than 200 Sq km categorized as Type S blocks, technical capability will neither be a pre-qualification criterion nor a bid evaluation criterion. For Onland and Shallow water blocks, technical capability will be a pre-qualification criterion. For Deepwater blocks, technical capability will be a bid evaluation criterion.

MAIN FEATURES OF TERMS OFFERED

The successful bidder would be required to enter into a Production Sharing Contract (PSC), which will be based on the Model Production Sharing Contract (MPSC). Some of the attractive features of the terms offered by the Government are:

- There will be only one Exploration phase of 7 years for Onland and Shallow water blocks and 8 years for Deep water blocks and Frontier Area blocks. There will be no compulsory relinquishment after Initial Exploration Period (when mandatory and committed programme are to be completed) and operators will have option to relinquish entire area after completion of Minimum Work Programme or retain the Block by committing to carry out drilling of one well per year in case of Onland and Shallow water Blocks or one well in 3 years in case of Deepwater Blocks. In any case, the entire area (leaving aside the Discovery Area and Development Area) would require to be relinquished at the end of 7 or 8 years of exploration, as the case may be.
- Up to 100% participation by foreign companies.
- No signature, discovery or production bonus.
- No mandatory State participation.
- No carried interest by National Oil Companies (NOCs).
- No customs duty on imports required for petroleum operations.
- Income Tax Holiday for seven years from start of commercial production of "Mineral Oil".
- Biddable cost recovery limit: Up to 100%.
- Option to amortise exploration and drilling expenditures over a period of 10 years from first commercial production.
- Sharing of profit petroleum with Government of India based on biddable Pre-Tax investment multiple achieved by the contractor.
- Royalty for Onland areas is payable at the rate of 12.5% for crude oil and 10% for natural gas. For Shallow water offshore areas, royalty is payable at the rate of 10% for both crude oil and natural gas where as for Deepwater offshore areas (beyond 400 m iso-bath) royalty is payable for both crude oil & natural gas at the rate of 5% for the first seven years of commercial production and thereafter at the rate of 10%.
- Fiscal stability provision in the contract.
- Liberal provisions for assignment.
- Arbitration and Conciliation Act, 1996, based on United Nations Commission on International Trade Law (UNCITRAL) model, applicable.
- To facilitate investors, a Petroleum Tax Guide (PTG) compiled in 1999 is provided.
- Predetermined Liquidated Damages (LD) specified for unfinished Minimum Work Programme.
- One time Bank Guarantee (BG) at a lower rate for the total committed work programme.
- A nominal bid bond at specified rate to encourage serious bidders.

BIDDABLE TERMS

Companies would be required to bid for:

1. Work programme commitment.
2. Percentage of value of annual production sought to be allocated towards cost recovery.
3. Profit petroleum share offered to Government of India (GOI) at the lowest tranche (less than or equal to 1.500) and the highest tranche (3.500 and above) of Pre-Tax Investment Multiple (PTIM) expected to be reached.

Note: Profit Petroleum share to GOI corresponding to PTIM expected to be reached between the lowest tranche and the highest tranche indicated above, will be interpolated on a linear scale with a positive slope depending upon the exact PTIM achieved in each of the preceding years.

BID QUALIFYING CRITERIA

1. Payment of Tender Fees, by bidding company or any member of the consortium, by way of purchase of the requisite Data Package of the block to be bid as the case may be, on or before bid closing date. (Please refer Price List)
2. The bidder must be a company singly or in association with other companies, through an unincorporated or incorporated venture.
3. The designated operator for Onland blocks (except Type S blocks) and Shallow water blocks would be required to obtain non-zero score on one out of the three sub-criteria of technical capability apart from non-zero score on operatorship experience.
4. The designated operator for Deep water blocks would be required to obtain non-zero in technical capability parameters on an aggregate basis i.e. the total score of the designated operator on account of Acreage Holding, Operatorship Experience, Average Annual Accretion of Proved Reserves (1P) and Average Annual Production taken together should be more than zero.
5. Bidders would be required to confirm to carryout the Mandatory Work Programme given against the blocks in this NIO during the Initial Exploration Period (Please refer the table at page 13).
6. The net worth of the bidding companies should be equal or more than its participating interest value of the Minimum Work Programme and Mandatory Work Programme. The net worth will be calculated in accordance with the method given in the "FORMAT FOR SUBMISSION OF BIDS".
7. The annual report including the audited annual accounts for the latest completed year and a Certificate of net worth from company's statutory auditor(s) based on the latest audited annual accounts certifying the net worth of the bidding company should be submitted. In case the parent company provides financial and performance guarantee, the annual report, annual accounts and net worth certificate in respect of parent company should be submitted and the financial capability of the parent company shall be considered for evaluating the financial capability of a bidding company.

BID REJECTION CRITERIA

1. A bid without documentary proof of payment of Tender Fees by way of purchase of the requisite Data Package of the block to be bid shall be rejected.
2. A bid not submitted in "Format for Submission of Bids" covering all the information/details listed therein including Bid Bond is liable to be rejected.
3. A bid not confirming to carrying out the Mandatory Work Programme during the Initial Exploration Period as prescribed in the NIO, shall be liable to be rejected.

4. A bid with any assumptions / deviations which are inconsistent or not complying with the contract terms listed in the brochure "Notice Inviting Offer for Exploration of Oil and Natural Gas under New Exploration Licensing Policy-Ninth Round (NELP-IX)" is liable to be rejected.
5. In case a bidding company or each of the company constituting consortium does not furnish the annual report including the audited annual accounts for the latest completed year and a Certificate of net worth from company's statutory auditor(s) based on the latest audited annual accounts certifying the net worth of the bidding company, the bid is liable to be rejected.
6. Government at its sole discretion reserves the right to accept or reject any or all of the bids received without assigning any reason, whatsoever.

BID EVALUATION CRITERIA

The following main parameters will be considered while evaluating the bids [for detailed Bid Evaluation Criteria (BEC), please see Appendix-I to III to this NIO]:

In case a bidding company either bidding alone or as a consortium happens to be the best ranked bidder for two or more blocks, the net worth of the company shall be required to be equal to or more than its participating interest in the value of Minimum Work Programme commitment for all such blocks. In case, the company's net worth is less than its participating interest in the value of Minimum Work Programme commitment for such blocks, the bids will be considered in order of priority given by that company in their bids for respective blocks.

1. Technical capability of the proposed Operator:

- i) For the Onland Type-S blocks only work programme & fiscal package will be considered for bid evaluation. Technical capability will neither be a pre-qualification criterion nor a bid evaluation criterion.
- ii) For the Onland and Shallow water blocks, technical capability will be a pre-qualification criterion. The designated operator has to score non-zero on one out of the three sub-criteria of technical capability apart from non-zero score on operatorship experience.
- iii) For Deepwater blocks Technical capability will be an evaluation criterion. Evaluation of technical capability of the proposed operator against a bid, among other things, will be based on experience as operator in terms of number of years, Acreage holding (PEL), Average Accretion of Proved Reserves (1P), Average Annual Production and drilling of exploratory wells.
- iv) Where a parent company endorses the bid and undertakes to provide financial and performance guarantee, in case their bid is declared successful, the technical parameters of the parent company of the designated operator, as prescribed in the BEC, would be considered for evaluation of the bid. For details please refer Appendix II & III.

2. Work Programme

- i) Only the committed biddable work programme by the bidding company (ies) / consortium will be considered for evaluation purposes. Any contingent/ conditional work programme will be ignored, while evaluating the bids.
- ii) Mandatory Work Programme will not be considered for evaluation. The Work Programme bid is required to be completed in the Initial Exploration Period.
- iii) In respect of Onland and Shallow water blocks, the Contractor will have to commit at least one exploratory well per year for retaining the block after Initial Exploration Period. In case the Contractor fails to commit drilling one well per year, the entire area (leaving aside Discovery Area and Development Area) would require to be relinquished at the end of Initial Exploration period.
- iv) In respect of Deepwater Blocks, the Contractor will have to commit drilling at least one exploratory well in 3 years after Initial Exploration Period. In case, the Contractor fails to commit drilling one

well in 3 years beyond initial 5 years, the entire area (leaving aside Discovery Area and Development Area) would require to be relinquished at the end of Initial Exploration Period.

3. Fiscal Package

- i) Profit petroleum share offered to Government of India (GOI) by the bidder at the lowest tranche (less than or equal to 1.500) and the highest tranche (3.500 and above) of Pre-Tax Investment Multiple (PTIM) along with offered annual cost recovery limit will be taken into account for evaluation of Fiscal Package. Profit Petroleum share to GOI corresponding to PTIM between the lowest and the highest tranches indicated above, will be interpolated on a linear scale with a positive slope depending upon the exact PTIM achieved in each of the preceding years.

TENDER FEES

1. For a bid to be valid, bidding company or consortium, as the case may be, is required to pay Tender Fees by way of purchase of the requisite Data Package of the block / Basin Information Docket of the basin on or before bid closing date. For the Shallow water blocks MB-OSN-2010/1 (Earlier block MB-OSN-2005/4 under NELP-VII round), KK-OSN-2010/1 (Earlier block KK-OSN-2009/1 under NELP-VIII round), KK-OSN-2010/2 (Earlier block KK-OSN-2009/2 under NELP-VIII round), KK-OSN-2010/3 (Earlier block KK-OSN-2009/3 under NELP-VIII round) and for the Onland blocks VN-ONN-2010/1 (Earlier block VN-ONN-2005/1 under NELP-VII round), VN-ONN-2010/2 (Earlier block VN-ONN-2005/2 under NELP-VII round), CB-ONN-2010/4 (Earlier block CB-ONN-2005/1 under NELP-VII round), the company (ies), which had purchased Data Packages in the earlier NELP round is not required to pay tender fees by way of re-purchase of Data Package.
2. For the blocks AN-DWN-2010/1, AN-DWN-2010/2, AN-DWN-2010/3 & AN-DWN-2010/4 of Andaman basin, the bidding company (ies) or consortium, as the case may be, is required to purchase the requisite Basin Information Docket for the bid(s) to be valid.

A Bid Format for all blocks is available in the exclusive website of NELP-IX, <http://www.indianelpix.com> as well as on the web sites <http://www.petroleum.nic.in> and <http://www.dghindia.org>.

INFORMATION AVAILABILITY

Notice Inviting Offers giving details of the blocks on offer, their geographical location on a map of India, the terms and conditions, bid format, price list, a copy each of MPSC, PTG and Site Restoration Fund Scheme (SRFS) will be made available free of cost to companies. Copies of these documents may also be seen at website of Ministry of Petroleum & Natural Gas <http://www.petroleum.nic.in> and at website of Directorate General of Hydrocarbons <http://www.dghindia.org> and exclusive website of NELP-IX <http://www.indianelpix.com>.

Basin Information Dockets prepared by Directorate General of Hydrocarbons (DGH) for each of the basins wherein the blocks are on offer for exploration of oil and gas are also available. These Dockets contain information on regional and local geology, status of exploration activities, hydrocarbon potential and a brief write-up on block(s) on offer. The CD-ROM of Basin Information Dockets is available for purchase. The Data Packages of the blocks on offer, prepared by DGH, are available in digital mode. The digital data set comprising seismic data, navigation data and well-log data (wherever available) for the individual blocks are available for purchase (for details, see Price List).

The digital copies of the Basin Information Dockets and Data Packages on work stations with interpretation facilities are available for inspection at data viewing centres for NELP-IX at New Delhi (NOIDA), Houston, London, Calgary and Perth on dates mentioned against each of these locations on website. Besides, online NELP-IX data viewing facility is available on the website <http://www.indianelpix.com>.

Companies interested in inspection of data, purchase of Basin Information Docket and Data Packages and for any further details in this regard may contact:

Directorate General of Hydrocarbons
C-139, SECTOR-63, NOIDA (UP), INDIA
Pin Code: 201301

Telephone : 91-120-4029400
Facsimile : 91-120-4029410
E-mail : dg@dghindia.org
Website : <http://www.dghindia.org>
: <http://www.petroleum.nic.in>
: <http://www.indianelpix.com>

Bids in duplicate should be submitted in sealed envelopes superscribed "Confidential" "Bid under New Exploration Licensing Policy- Ninth Round (NELP-IX) for the block(s)_____" not later than 1200 hrs IST on 18th March, 2011 (Friday) at the above address.

Public opening of bids in presence of the authorized representatives of the bidders will take place at 1330 hrs IST on the same day at the above address or at another venue which will be notified in the national newspapers. Bidders intending to be present during the bid opening should depute their authorized representative(s).

Sd/-

(D.N.Narasimha Raju)
Joint Secretary to the Government of India
Ministry of Petroleum & Natural Gas
Room No. 204 (a), 'A' Wing, Shastri Bhawan,
Dr. Rajendra Prasad Road,
New Delhi-110001, India
e-mail: jse.png@sb.nic.in
Phone :91-11-23381832
Fax :91-11-23070562
15th October 2010

TERMS AND CONDITIONS

1. **Parties to the Contract:**

The Parties to the contract shall be the Government of India and the awardee company or consortium.

2. **Type of Contract:**

The contract shall be a production sharing type of contract. Each of the companies participating in a consortium must have a minimum interest of 10% and the percentage participating share of each of the companies in the consortium should be specified in the bid.

3. **Participation by Companies:**

Companies who wish to bid would have to:

- (a) Give audited financial statements and certificate of net worth from its statutory auditors in accordance with the bid format to prove its financial capability.
- (b) Give satisfactory proof of technical capability of the proposed operator in accordance with the bid format.
- (c) Give Bid Bond at the specified rates.

4. **Bid Bond:**

Bidders shall be required to furnish bid bond at the time of submission of bid, for each block, which will be valid for one year period. The bid bond will be released on signing of PSC for the block. If the PSC is not signed within 90 days after the award of the block, the bid bond will be forfeited. The following amount will be taken as bid bond:

- (i) Deepwater block ₹ 2.0 million
- (ii) Shallow water block ₹ 1.5 million
- (iii) Onland block ₹ 1.0 million
- (iv) Onland Type S block ₹ 0.5 million

5. **Expenditure Obligation**

One-time Bank Guarantee (BG) valid for the Initial or Subsequent Exploration Period for the Minimum Work Programme at the rate of 7.5% shall be given by the contractor. (Please refer Article 29 of the MPSC)

6. **Liquidated Damages**

The following Liquidated Damages shall be levied in case of unfinished committed work programme during Initial and Subsequent Exploration phases of exploration.

US \$			
	Onland	Shallow water	Deep water
Exploratory well (Per well)	1,000,000	3,000,000	6,000,000
3D seismic surveys (Per sq.km)	5,000	1,500	1,500
2D seismic surveys (Per line km)	2,500	1,000	1,000

7. **Commencement of Petroleum Operations**

The company will commence petroleum operations not later than six months from the Effective Date of the contract, as defined in the Model Production Sharing Contract (MPSC).

8. **Exploration Period**

The Exploration period will be of 7 years for Onland and Shallow water blocks and 8 years for Deep water blocks and Frontier Area blocks. The Initial Exploration Period shall consist of the first four consecutive Contract Years in case of Contract Areas in Onland and Shallow water and first five consecutive Contract Years in case of Deep water Area and Frontier Area. There will be no compulsory relinquishment after Initial Exploration Period (when mandatory and committed programme are to be completed) and operators will have option to relinquish entire area after completion of Minimum Work Programme or retain the Block by committing to carry out drilling of one well per year in case of Onland and Shallow water Blocks or one well in 3 years in case of Deepwater Blocks. In any case, the entire area (leaving aside Discovery Area and Development Area) would require to be relinquished at the end of 7 or 8 years of exploration, as the case may be.

9. **Development and Production Period**

The development and production period will not exceed a period of twenty years in respect of crude oil and natural gas extracted in association with crude oil. The development and production period may be extended with mutual agreement between the Government and contractor upto a period of five years or such period as mutually agreed based on the estimated economic life. However, in case of non-associated natural gas, the development and production period will not exceed thirty (30) years or such other period as mutually agreed between Government and contractor based on the estimated economic life. Bidders are advised to refer Article - 11 of the MPSC.

10. **Relinquishment**

In respect of Onland and Shallow water blocks, the Contractor will have to commit at least one exploratory well per year for retaining the block after Initial Exploration Period. In case the Contractor fails to commit drilling one well per year, the entire area (leaving aside Discovery Area and Development Area) would require to be relinquished at the end of Initial Exploration period.

In respect of Deepwater Blocks, the Contractor will have to commit drilling at least one exploratory well in 3 years after Initial Exploration Period. In case, the Contractor fails to commit drilling one well in 3 years beyond initial 5 years, the entire area (leaving aside Discovery Area and Development Area) would require to be relinquished at the end of Initial Exploration Period.

11. **Minimum Work Obligation**

The companies shall be required to commit to carrying out the mandatory exploration work programme during the first four or five years, as the case may be, as specified by the Government in the NIO for each block (please refer table at page 13). In addition, the Work Programme bid by the company, as given in the BEC, shall also form part of the Minimum Work Programme commitment to be stipulated in the contract with the successful bidding company(ies).

12. **Cost Recovery**

The percentage of value of annual production of petroleum proposed to be allocated for recovery of costs every year should be indicated in the bid.

13. **Profit Petroleum**

The share of profit petroleum to Government of India (GOI) at the lowest tranche (less than or equal to 1.500) and the highest (3.500 and above) tranche of Pre-Tax Investment Multiple (PTIM) shall be bid and shall be specified in the contract. Profit Petroleum share to GOI corresponding to PTIM between lowest and highest tranches will be interpolated on a linear scale with positive slope depending upon the exact PTIM achieved in each of the preceding years. (Please refer the Format for submission of Bids and Model Production Sharing Contract).

14. **Valuation**

The valuation of crude oil produced shall be based on the international price of similar reference crude(s). For details kindly see the provisions in MPSC. For valuation of natural gas, refer the Article on Natural Gas.

15. **Domestic Supply**

The contractor shall be required to sell 100% of the company's entitlement to crude oil and natural gas from the contract area in the Domestic Market till India becomes self reliant.

16. **Natural Gas**

The contract will include separate provisions dealing with commercial exploitation of associated and non-associated gas (refer the Article on Natural Gas in the MPSC).

17. **Assignment**

Assignments are permitted with prior approval of the Government of India. Approvals for requests for assignment would not be unreasonably withheld, subject to suitable guarantees as may be required, depending on the nature of the assignment. Government shall respond on an assignment application within 120 days from the receipt of application, failing which application shall be deemed to have been approved (for details, refer the Article on Assignment in the MPSC). However, no assignment will be permitted in case of Type S blocks without completion of Minimum Work Programme during first four years.

18. **Management of Operations**

Government shall nominate two (2) members representing Government in the Management Committee, whereas each Company constituting Contractor shall nominate one member each to represent Company in the Management Committee, provided that in case Contractor comprises of a single company, that company shall nominate two (2) members.

19. **Taxes & Duties**

Royalty for Onland areas is payable at the rate of 12.5% for crude oil and 10% for natural gas. For Shallow water offshore areas, royalty is payable at the rate of 10% for both crude oil and natural gas where as for Deepwater offshore areas (beyond 400 m iso-bath) royalty is payable for both crude oil & natural gas at the rate of 5% for the first seven years of commercial production and thereafter at the rate of 10%. The royalty shall be determined in accordance with Petroleum and Natural Gas Rules, 1959. Bidders are exempt from the payment of customs duty on all imports for petroleum operations under the contract. As regards income tax, provisions of Income Tax Act, 1961 or such legislations as may be in force shall apply.

20. **Bonuses**

There shall be no signature, discovery or production bonus.

21. **Repatriation of Funds**

Government of India shall permit remittances of money out of India by the company of such amounts as may be due to the company under the contract.

22. **Data**

All data gathered during the course of operation under this contract shall be the property of the Government of India.

23. **Local Preference**

The company is required to give preference to the use of Indian goods and services subject to quality, schedule, availability and competitive pricing.

24. **Employment & Training**

The company shall give preference to the employment of qualified Indian nationals and shall undertake appropriate training programmes.

25. **Transfer of Technology**

Preference shall be given to companies who agree to transfer of technology to the Government of India or its nominees.

26. **Applicability of Laws**

Contract shall be governed by the applicable Indian laws.

27. **Arbitration**

Arbitration procedures shall be as per the Indian law in this regard (Please refer Article 33 of MPSC).

28. **General**

The accounting and audit procedure will be separately agreed to in the contract (please refer Appendix-C of the MPSC).

29. **Right to accept Bids:**

Government of India reserves for itself the right to accept or reject any or all the bids at its sole discretion.

30. **Right to ask clarifications on the bids:**

Government may ask any clarification(s) from the bidding companies in order to evaluate the bids.

31. **Consequence of furnishing false/misleading information / data :**

Later on, at any stage after evaluation of the bids, if any information or data is found to be false or misleading or the bidder has suppressed any material fact which formed part of bid evaluation, the bid shall be liable to be rejected, and in case of award of block or execution of the contract, the award shall be withdrawn or the contract shall be liable for cancellation.

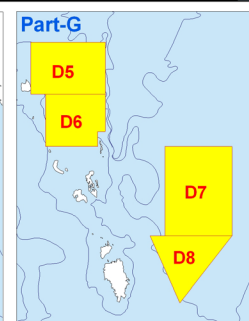
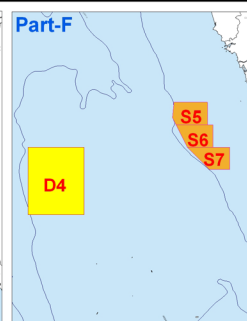
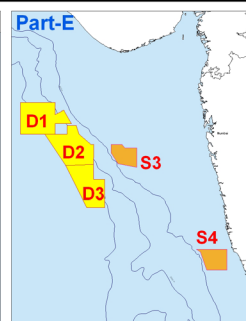
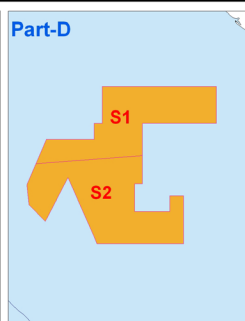
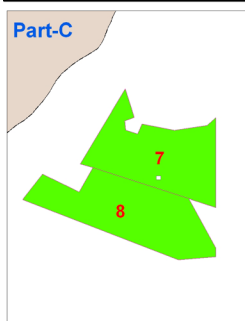
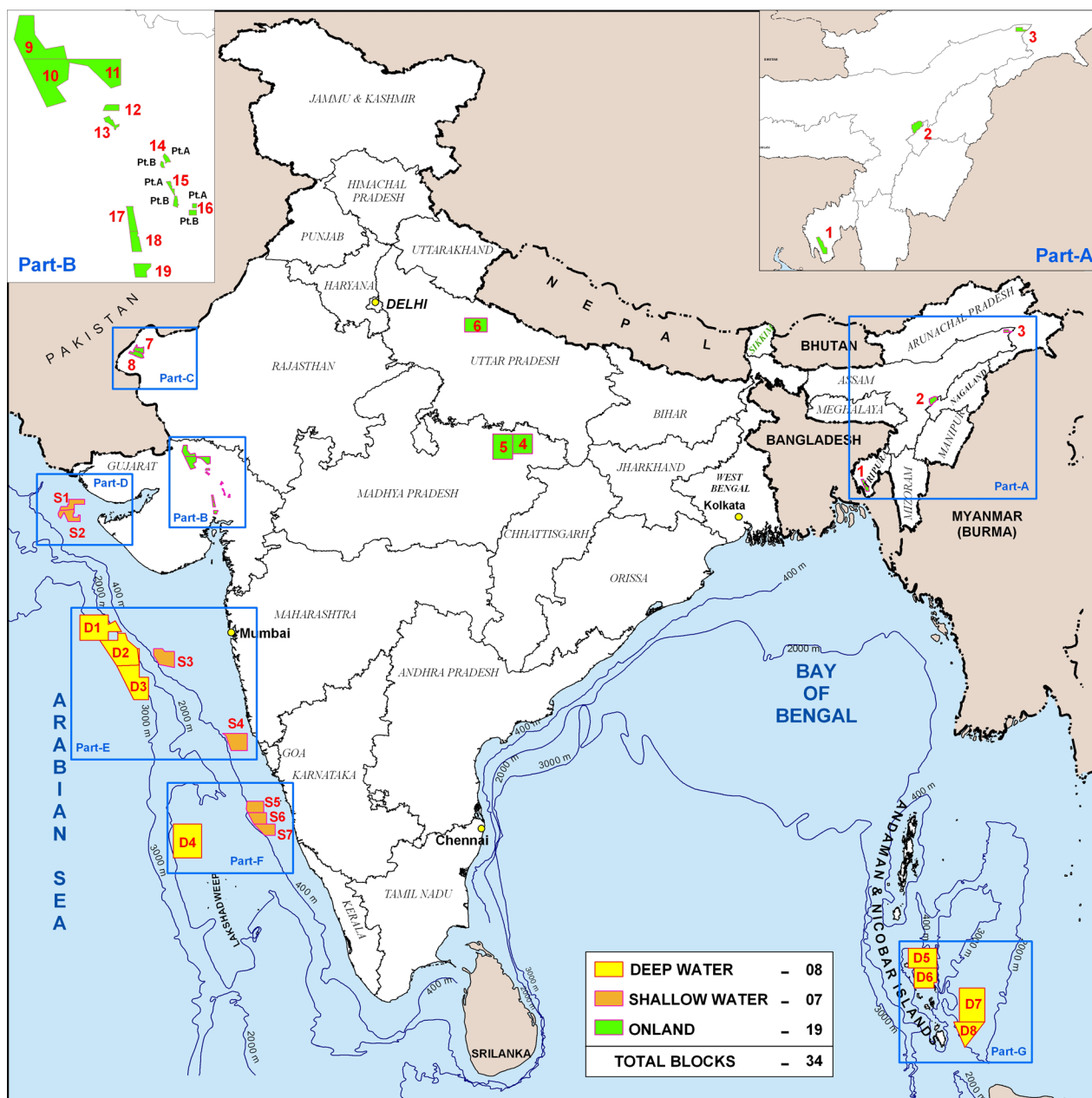
32. **Special conditions in respect of blocks in Andaman offshore :**

These special conditions shall be incorporated in the Contract for all the blocks offered in Andaman basin.

- i) *Parties to the contract acknowledge that India has Maritime Agreements with Indonesia, Thailand and Myanmar and some boundaries of the contract area are contiguous to International Maritime Boundary. If any single geological petroleum or natural gas structure or field, or other mineral deposit of whatever character, extends across the boundary line referred to in the Appendix-B of the Contract, the two Governments shall communicate to each other all information in this regard and shall seek to reach agreement as to the manner in which the structure, field or deposit will be most effectively exploited and the benefits arising from such exploitation will be equitably shared. Accordingly, the Contractor shall provide all information to arrive at and establish extent of reservoir / field by the Government and the right of the Contractor under the contract shall be subject to the conditions of International Maritime Agreements with Indonesia, Thailand and Myanmar.*

- ii) *During Exploration Period, the Contractor shall provide details of its survey and exploratory drilling plan six (6) months in advance to the Directorate General of Hydrocarbons (DGH) to enable it to coordinate with Indian Space Research Organization (ISRO) / Department of Space (DOS) and Interface the activities of the Contractor and ISRO / DOS in relation to their space programme in rocket stage impact zone.*
- iii) *The Contractor shall not have any permanent structure in the areas between 104-106 degree azimuths. During the commercial production phase, the Contractor would have only seabed pipeline in case of gas discoveries and FPSO for oil discoveries. The Contractor shall implement the latest technologies to enable the Contractor to dismantle FPSO at short notice and moved out of the declared danger zone before a launch. The launch danger period and the danger zones shall be intimated by ISRO / DOS to DGH and the Contractor.*
- iv) *The Contractor shall follow all normal shipping restrictions during the said notified launch period.*
- v) *All notifications with regard to the Andaman zone shall be notified to the Contractor by ISRO / DOS and this activity shall be coordinated by DGH.*

EXPLORATION BLOCKS ON OFFER UNDER NEW EXPLORATION LICENSING POLICY - NINTH ROUND (NELP-IX)



**DETAILS OF EXPLORATION BLOCKS ON OFFER WITH MANDATORY
WORK PROGRAMME UNDER NEW EXPLORATION LICENSING POLICY
NINTH ROUND (NELP-IX)**

Sl. No.	BASIN	BLOCK NAME	MAP REF. NO	APPROX. AREA (Sq.Km.)	MAX. WELL DEPTH FOR BID EVALUATION (M) #	MANDATORY WORK PROGRAMME 2D SEISMIC (API)	
						GRID SIZE	QUANTUM OF WORK IN LKM (APPROX.)
	DEEP WATER BLOCKS						
1	GUJARAT- SAURASHTRA MUMBAI	GS-DWN-2010/1	D-1	8255	5000	Nil	—
2		MB-DWN-2010/1	D-2	7963	5000	32x32	630
3		MB-DWN-2010/2	D-3	7063	6000	32x32	560
4	KERALA-KONKAN ANDAMAN	KK-DWN-2010/1	D-4	10019	5000	32x32	795
5		AN-DWN-2010/1	D-5	5901	5000	32x32	468
6		AN-DWN-2010/2	D-6	4560	5000	32x32	360
7		AN-DWN-2010/3	D-7	9145	5000	32x32	725
8		AN-DWN-2010/4	D-8	4197	5000	32x32	330
	SHALLOW WATER BLOCKS						
9	GUJARAT-KUTCH	GK-OSN-2010/1	S-1	1361	6000	Nil	—
10		GK-OSN-2010/2	S-2	1625	6000	Nil	—
11	MUMBAI	MB-OSN-2010/1	S-3	2998	4600	Nil	—
12		MB-OSN-2010/2	S-4	3411	5000	Nil	—
13	KERALA-KONKAN	KK-OSN-2010/1	S-5	2004	5300	Nil	—
14		KK-OSN-2010/2	S-6	1860	4700	Nil	—
15		KK-OSN-2010/3	S-7	1874	4500	Nil	—
	ONLAND BLOCKS						
16	ASSAM-ARAKAN	AA-ONN-2010/1	1	401	4500	16x16	55
17		AA-ONN-2010/2	2	396	5000	Nil	—
18		AA-ONN-2010/3	3	171	6000	Nil	—
19	VINDHYAN	VN-ONN-2010/1	4	3776	5500	32x32	300
20		VN-ONN-2010/2	5	4909	5500	32x32	390
21	GANGA	GV-ONN-2010/1	6	3025	6500	Nil	—
22	RAJASTHAN	RJ-ONN-2010/1	7	480	4500	Nil	—
23		RJ-ONN-2010/2	8	535	5000	16x16	75
24	CAMBAY	CB-ONN-2010/1	9	782	3000	Nil	—
25		CB-ONN-2010/2	10	943	2500	Nil	—
26		CB-ONN-2010/3	11	534	2500	Nil	—
27		CB-ONN-2010/4*	12	61	4500	Nil	—
28		CB-ONN-2010/5*	13	49	3000	Nil	—
29		CB-ONN-2010/6*	14-A & B	39	2500	Nil	—
30		CB-ONN-2010/7*	15-A & B	55	3000	Nil	—
31		CB-ONN-2010/8*	16-A & B	42	3500	Nil	—
32		CB-ONN-2010/9*	17	120	2500	4x4	60
33		CB-ONN-2010/10*	18	122	2500	4x4	60
34		CB-ONN-2010/11*	19	131	2500	4x4	65

* Type S block

Well depth from seabed in respect of offshore blocks

Blocks: Map reference no. 1, 2, 3, 4, 5 and 6 are frontier area blocks

BID EVALUATION CRITERIA (BEC)

The Bid Evaluation Criteria (BEC) for evaluation of bids under NELP-IX has been formulated to determine the acceptability of the bids and their relative ranking for a particular block to enable the Government to take a decision on the bids received. The blocks have been categorized into four (4) types namely, Type-S Blocks (Onland blocks having area less than 200 sq. Km.), Onland blocks (area of 200 sq. Km. or more), Shallow water blocks (offshore blocks of 400 m. bathymetry or less) and Deepwater blocks (offshore blocks of more than 400 m. bathymetry) as mentioned against each block in the table at page 13 of the NIO. However, there is a uniform bid evaluation criterion for Onland blocks and Shallow water blocks. Hence the bid evaluation criteria has been specified for three types, namely Type-S blocks (Appendix-I), Onland and Shallow water blocks (Appendix-II) and Deepwater blocks (Appendix-III). The bidders are advised to carefully read the NIO and BEC for the relevant type of block(s), Bid Format & MPSC before formulating their bids.

The three types of BEC are specified below in detail:

APPENDIX-I

Onland : Type S

QUALIFYING CRITERIA

The bidders would be required to meet the following minimum qualifying criteria, failing which the bid shall be liable for rejection:

1. The bidder must be a company singly or in association with other companies, through an unincorporated or incorporated venture.
2. Technical capability will not be a pre-qualification criterion.
3. Bidders would be required to confirm to carryout the Mandatory Work Programme given against the blocks in this NIO during the Initial Exploration Period (Please refer the table at page 13).
4. Bidder must submit annual report including audited annual accounts for the latest completed year and a certificate of their net worth certified by company's statutory auditor(s) for the latest completed year for every company in the consortium and the net worth will be calculated in accordance with the method given in the "FORMAT FOR SUBMISSION OF BIDS". The net worth of every company should be equal to or more than every company's participating interest in the Minimum Work Programme commitment, which shall include Mandatory Work Programme and biddable Minimum Work Programme. In case the parent company financial and performance guarantee is provided, the annual report, audited accounts and certificate of net worth should be furnished in respect of the parent company.
5. The bids will be evaluated on the basis of biddable work programme and fiscal package.
6. Successful bidder will not be allowed to transfer it's / their participating interest till completion of Minimum Work Programme during first four years of exploration.
7. A bid not submitted in "Format for Submission of Bids" covering all the information / details listed therein including Bid Bond is liable to be rejected.

Bids for Onland Type-S blocks (as shown in the table in NIO at page 13) will be evaluated and ranked in accordance with the evaluation criteria provided herein. The points for each criterion shall be as under: -

Criteria	Weightage (points on a scale of 100)
(A) Biddable Work Programme	50
(B) Fiscal Package	50

(A) EVALUATION OF WORK PROGRAMME

The points for the Work Programme shall be as under:

- (i) 2D Seismic Surveys (API) : 7 points
- (ii) 3D Seismic surveys (API) : 18 points
- (iii) Exploratory Wells : 25 points

	Work Programme	Points
(i)	2D Seismic surveys (API)	Bidder with highest 2D seismic survey (LKM) will be assigned 7 points and other bidders will be assigned points proportionately.
(ii)	3D Seismic surveys (API)	Bidder with highest 3D seismic survey (sq.Km.) will be assigned 18 points and other bidders will be assigned points proportionately.
(iii)	Exploratory wells	Bidder with highest total depth meterage of all wells (m.) bid will be assigned 25 points and other bidders will be assigned points proportionately.

Note:

- Maximum well depth for each of the blocks is indicated and wherever greater depths are offered under "Exploratory wells" allocation of points will be restricted to the maximum depth specified at page 13 for evaluation; Bidders are free to bid any depths from exploration perspective.
- If quantum of 3D seismic surveys bid is equal to approximate area of the block as mentioned in the NIO page No. 13 the bidder shall be awarded additional 7 points allocated for 2D seismic surveys.

(B) FISCAL PACKAGE:

- (i) The Fiscal Package will take into account Profit petroleum share offered to Government of India (GOI) by the bidder at the lowest tranche (less than or equal to 1.500) and the highest tranche (3.500 and above) of Pre-Tax Investment Multiple (PTIM) along with offered annual cost recovery limit. Profit Petroleum share to GOI corresponding to PTIM between the lowest and the highest tranches indicated above, will be interpolated on a linear scale with a positive slope depending upon the exact PTIM achieved in each of the preceding year as under:

$$Z = a + [(b - a) * (X-1.5)/2]$$

Where

Z denotes Government share percentage

'a' denotes Government share percentage corresponding to the lowest PTIM of less than or equal to 1.500.

'b' denotes Government share percentage corresponding to the highest of 3.500 and above. ['b' should always be higher than 'a']

'X' denotes Investment Multiple of Contractor at the end of preceding Year, rounded off to three decimal places

- (ii) The Net Present Value (NPV) of Profit Petroleum share offered to Government by applying ten percent discount rate will be computed taking into account sensitivities of various hypothetical reserves and oil & gas price scenarios.
- (iii) The NPV of the government share of profit petroleum will be calculated by applying weightages of 12/26/12 for low/most likely/high price and reserves scenarios.
- (iv) For evaluation of Fiscal Package offered by bidders, certain assumptions in respect of CAPEX and OPEX, production profiles derived from estimated reserves of each block on offer have been made available on DGH website: www.dghindia.org. Bidders are advised to carefully go through these assumptions while formulating the bid(s).
- (v) The NPV will be computed with crude oil price of US\$ 90/60/30 per barrel and gas price of US\$ 200/150/100 per thousand cubic metres for high/most likely/ low price scenarios and on the basis of assumptions on reserves, production and costs referred to above. For purposes of evaluation of fiscal package, first seven years would be assumed as exploration phase for all the blocks with production to commence from eighth year.
- (vi) The bidder offering the highest Government NPV (Net Present Value) will be given the maximum 50 points and other bidders will get points proportionately computed with reference to the Government NPV computed for the highest bid.

APPENDIX-II

Onland and Shallow water blocks upto 400 m. bathymetry:

QUALIFYING CRITERIA

The bidders would be required to meet the following minimum qualifying criteria, failing which the bid shall be liable for rejection:

1. The bidder must be a company singly or in association with other companies, through an unincorporated or incorporated venture.
2. For the Onland and Shallow water blocks, technical capability will be a pre-qualification criterion. The designated operator has to score non-zero on one out of the three sub-criteria of technical capability apart from non-zero score on operatorship experience.
3. Bidders would be required to confirm to carryout the Mandatory Work Programme given against the blocks in this NIO during the Initial Exploration Period (Please refer the table at page 13).
4. Bidder must submit annual report including audited annual accounts for the latest completed year and a certificate of their net worth certified by company's statutory auditor(s) for the latest completed year for every company in the consortium and the net worth will be calculated in accordance with the method given in the "FORMAT FOR SUBMISSION OF BIDS". The net worth of every company should be equal to or more than every company's participating interest in the Minimum Work Programme commitment, which shall include Mandatory Work Programme and biddable Minimum Work Programme. In case the parent company financial and performance guarantee is provided, the annual report, audited accounts and certificate of net worth should be furnished in respect of the parent company.
5. The bids will be evaluated on the basis of biddable work programme and fiscal package.
6. A bid not submitted in "Format for Submission of Bids" covering all the information / details listed therein including Bid Bond is liable to be rejected.

Technical Capability: (only for pre-qualification and nil weightage for bid evaluation)

Sl. No.	Sub-criteria	Physical Quantity
(i)	Acreage Holding Petroleum Exploration license (PEL) (sq. Km.) (Total onland, shallow and deep waters)	
(ii)	Operatorship Experience (Experience of operatorship in oil and gas exploration and / or development and / or production in the last consecutive 10 years)	
(iii)	Average Annual Accretion of Proved reserves (1P) during last 5 years (MMBoe) (Total onland, shallow and deep waters)	
(iv)	Average Annual production (O+OEG) for the previous 5 years (MMBoe) (Total onland, shallow and deep waters)	

Bids for Onland and Shallow water blocks (as shown in the table in NIO at page 13) will be evaluated and ranked in accordance with the evaluation criteria provided herein. The points for each criterion shall be as under: -

Criteria	Weightage (points on a scale of 100)
(A) Biddable Work Programme	50
(B) Fiscal Package	50

(A) EVALUATION OF WORK PROGRAMME

The points for the Work Programme shall be as under:

- (i) 2D Seismic Surveys (API) : 7 points
- (ii) 3D Seismic surveys (API) : 18 points
- (iii) Exploratory Wells : 25 points

Work Programme	Points
(i) 2D Seismic surveys (API)	Bidder with highest 2D seismic survey (LKM) will be assigned 7 points and other bidders will be assigned points proportionately.
(ii) 3D Seismic surveys (API)	Bidder with highest 3D seismic survey (sq.Km.) will be assigned 18 points and other bidders will be assigned points proportionately.
(iii) Exploratory wells	Bidder with highest total depth meterage of all wells (m.) bid will be assigned 25 points and other bidders will be assigned points proportionately.

Note:

- Maximum well depth for each of the blocks is indicated and wherever greater depths are offered under "Exploratory wells" allocation of points will be restricted to the maximum depth specified at page 13 for evaluation. Bidders are free to bid any depths from exploration perspective. In case of offshore, the well depth bid has to be from sea bed.
- If quantum of 3D seismic surveys bid is equal to approximate area of the block as mentioned in the NIO page No. 13 the bidder shall be awarded additional 7 points allocated for 2D seismic surveys.

(B) FISCAL PACKAGE:

- (i) The Fiscal Package will take into account Profit petroleum share offered to Government of India (GOI) by the bidder at the lowest tranche (less than or equal to 1.500) and the highest tranche (3.500 and above) of Pre-Tax Investment Multiple (PTIM) along with offered annual cost recovery limit. Profit Petroleum share to GOI corresponding to PTIM between the lowest and the highest tranches indicated above, will be interpolated on a linear scale with a positive slope depending upon the exact PTIM achieved in each of the preceding year as under:

$$Z = a + [(b - a) * (X - 1.5) / 2]$$

Where

Z denotes Government share percentage

'a' denotes Government share percentage corresponding to the lowest PTIM of less than or equal to 1.500.

'b' denotes Government share percentage corresponding to the highest of 3.500 and above. ['b' should always be higher than 'a']

'X' denotes Investment Multiple of Contractor at the end of preceding Year, rounded off to three decimal places

- (ii) The Net Present Value (NPV) of Profit Petroleum share offered to Government by applying ten percent discount rate will be computed taking into account sensitivities of various hypothetical reserves and oil & gas price scenarios.
- (iii) The NPV of the government share of profit petroleum will be calculated by applying weightages of 12/26/12 for low/most likely/high price and reserves scenarios.
- (iv) For evaluation of Fiscal Package offered by bidders, certain assumptions in respect of CAPEX and OPEX, production profiles derived from estimated reserves of each block on offer have been made available on DGH website: www.dghindia.org. Bidders are advised to carefully go through these assumptions while formulating the bid(s).
- (v) The NPV will be computed with crude oil price of US\$ 90/60/30 per barrel and gas price of US\$ 200/150/100 per thousand cubic metres for high/most likely/ low price scenarios and on the basis of assumptions on reserves, production and costs referred to above. For purposes of evaluation of fiscal package, first seven/eight years would be assumed as exploration phase for all the blocks with production to commence from eighth/ninth year as the case may be.
- (vi) The bidder offering the highest Government NPV (Net Present Value) will be given the maximum 50 points and other bidders will get points proportionately computed with reference to the Government NPV computed for the highest bid.

APPENDIX-III

Deepwater blocks (beyond 400 m. bathymetry):

QUALIFYING CRITERIA

The bidders would be required to meet the following minimum qualifying criteria, failing which the bid shall be liable for rejection:

1. The bidder must be a company singly or in association with other companies, through an unincorporated or incorporated venture.
2. The designated operator in a block would be required to score non-zero in technical capability parameters on an aggregate basis i.e. the total score of the designated operator on account of Acreage Holding, Operatorship Experience, Average Annual Accretion of Proved Reserves (1P) and Average Annual Production taken together should be more than zero.
3. Bidders would be required to confirm to carryout the Mandatory Work Programme given against the blocks in this NIO during the Initial Exploration Period (Please refer the table at page 13).
4. Bidder must submit annual report including audited annual accounts for the latest completed year and a certificate of their net worth certified by company's statutory auditor(s) for the latest completed year for every company in the consortium and the net worth will be calculated in accordance with the method given in the "FORMAT FOR SUBMISSION OF BIDS". The net worth of every company should be equal to or more than every company's participating interest in the Minimum Work Programme commitment, which shall include Mandatory Work Programme and biddable Minimum Work Programme. In case the parent company financial and performance guarantee is provided, the annual report, audited accounts and certificate of net worth should be furnished in respect of the parent company.
5. For Deepwater blocks Technical capability will be an evaluation criterion. The bids will be evaluated on the basis of Technical capability of designated operator, biddable work programme and fiscal package offered to the Government.
6. A bid not submitted in "Format for Submission of Bids" covering all the information / details listed therein including Bid Bond is liable to be rejected.

Bids for Deepwater blocks beyond 400 m. bathymetry (as shown in the table in NIO at page 13) will be evaluated and ranked in accordance with the evaluation criteria provided herein. The points for each criterion shall be as under: -

Criteria	Weightage (points on a scale of 100)
(A) Technical capability	25
(B) Biddable Work Programme	25
(C) Fiscal Package	50

(A) TECHNICAL CAPABILITY

Sl. No.	Sub-criteria	Max. Point	Scale	
			Parameter (Point) Minimum	Parameter (Point) Maximum
(i)	Acreage Holding (sq. km.) Petroleum Exploration License (PEL) beyond 400 m. bathymetry	3	(0) 0	(3) 50,000
(ii)	Operatorship experience (years) (Experience in years of operatorship in oil and gas exploration and /or development and / or production in the last consecutive 10 years beyond 400 m bathymetry)	3	(0) 0	(3) 10
(iii)	Average Annual Accretion of Proved Reserve (1P) during last 5 years (MMboe) > 400 m bathymetry	4	-	(4)**
(iv)	Average Annual Production of O+OEG (MMboe) during last 5 years > 400 m bathymetry	4#	(0) 0	(4) 50
(v)	Average Annual Production of O+OEG (MMboe) during last 5 years upto 400 m bathymetry from its share of total acreage held either as operator or non operator	4#	(0) 0	(4) 150
(vi)	Drilling of Deep Water Exploratory wells beyond 400 m bathymetry during last 5 years	2	(0) 0	(2) 4
(vii)	Companies bidding in Consortium/ Partnership with Indian Company OR Companies bidding alone. (For Consortium with Indian company(ies) one of the partners should have Deepwater production beyond 400 m bathymetry with minimum PI of 10% and be designated as operator.)	5#	Production beyond 400 m & upto 1000 m (3 OR 2) or Production beyond 1000 m bathymetry (5 OR 4) (a) Operator with production of O+OEG (MMboe) during last 5 years beyond 400 m and up to 1000 m bathymetry bidding singly: 2 points (b) Operator with production of O+OEG (MMboe) during last 5 years beyond 400 m and up to 1000 m bathymetry bidding in consortium with Indian companies : 3 points (c) Operator with production of O+OEG (MMboe) during last 5 years beyond 1000 m bathymetry bidding singly : 4 points (d) Operator with production of O+OEG (MMboe) during last 5 years beyond 1000 m bathymetry bidding in consortium with Indian company (s) : 5	

- # Production figures information available in public domain (source to be specified) and certified by the concerned CEO of the proposed operator company will be considered.
- ** For a block, the designated operator having highest average annual accretion of Proved reserves (1P), during the last 5 years shall get the highest score i.e. 4 points and other bidders (respective designated operator) will get proportionate points with respect to the highest designated operator. For example, if the highest bidder (the designated operator) has average annual accretion of Proved reserves (1P), during the last 5 years of 1000 MMBoe, then he will score 4 points and in case the designated operator of second bidder has 500 MMBoe of this parameter, it will get 2 points.

(B) EVALUATION OF WORK PROGRAMME

The points for the biddable Work Programme commitment shall be as under:

- (i) 2D Seismic surveys (API) : 4 points
- (ii) 3D Seismic surveys (API) : 8 points
- (iii) Exploratory Wells : 13 points

Work Programme	Points
(i) 2D Seismic surveys (API)	Bidder with highest 2D seismic survey (LKM) will be assigned 4 points and other bidders will be assigned points proportionately.
(ii) 3D Seismic surveys (API)	Bidder with highest 3D seismic survey (sq.Km.) will be assigned 8 points and other bidders will be assigned points proportionately.
(iii) Exploratory wells	Bidder with highest total depth of all wells (m.) bid will be assigned 13 points and other bidders will be assigned points proportionately.

Note:

- Maximum well depth for each of the blocks is indicated and wherever greater depths are offered under "Exploratory wells" allocation of points will be restricted to the maximum depth specified at page 13 for evaluation; Bidders are free to bid any depths from exploration perspective. The well depth bid has to be from sea bed.
- If quantum of 3D seismic surveys bid is equal to approximate area of the block as mentioned in the NIO page No. 13 the bidder shall be awarded additional 4 points allocated for 2D seismic surveys.

(B) FISCAL PACKAGE:

- The Fiscal Package will take into account Profit petroleum share offered to Government of India (GOI) by the bidder at the lowest tranche (less than or equal to 1.500) and the highest tranche (3.500 and above) of Pre-Tax Investment Multiple (PTIM) and the annual cost recovery limit. Profit Petroleum share to GOI corresponding to PTIM between the lowest and the highest tranches indicated above, will be interpolated on a linear scale with a positive slope depending upon the exact PTIM achieved in each of the preceding year as under:

$$Z = a + [(b - a) * (X - 1.5) / 2]$$

Where

Z denotes Government share percentage

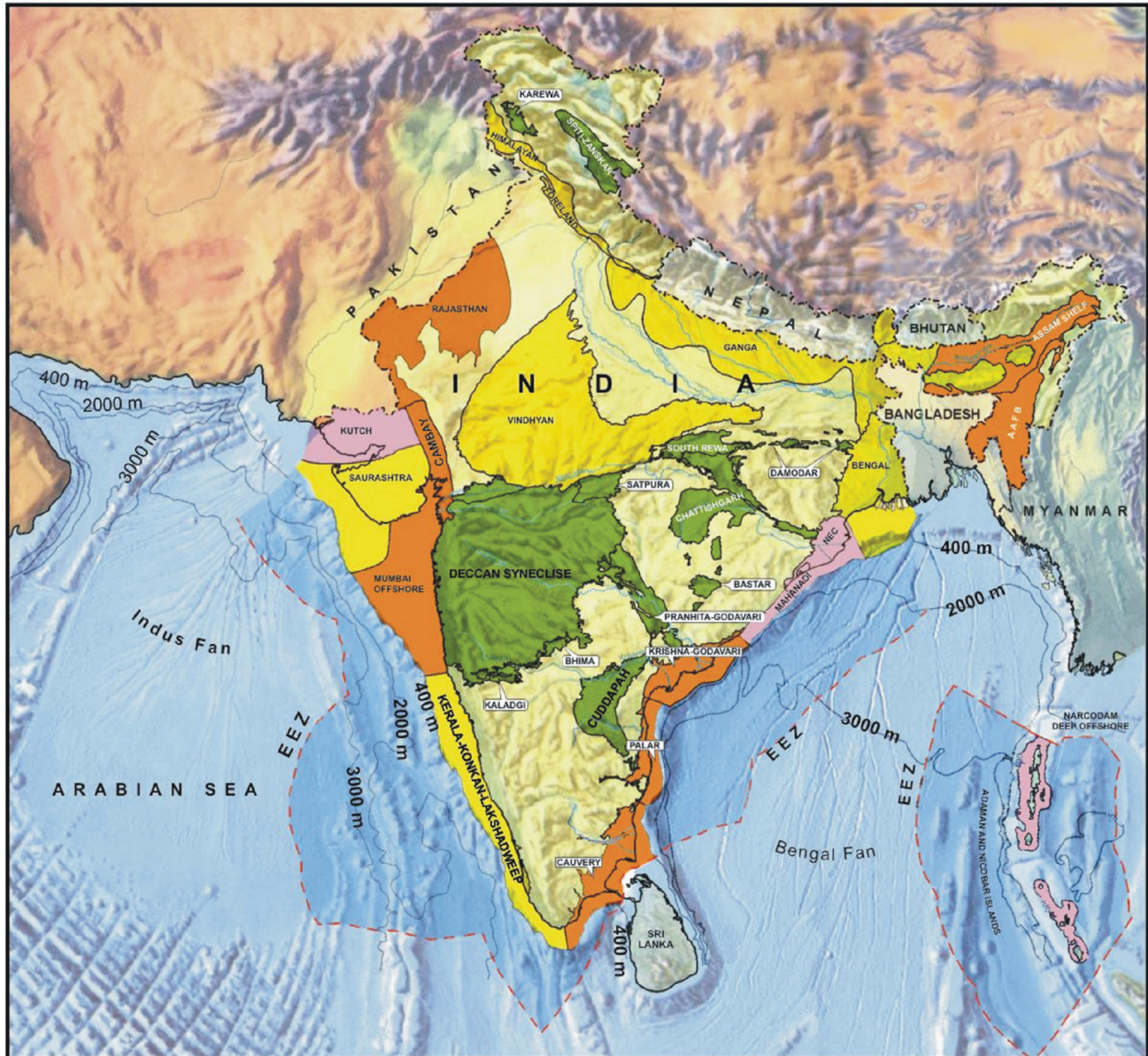
'a' denotes Government share percentage corresponding to the lowest PTIM of less than or equal to 1.500.

'b' denotes Government share percentage corresponding to the highest PTIM of 3.500 and above. [Value of 'b' should always be higher than 'a']

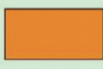
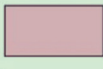
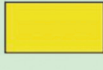
'X' denotes Investment Multiple of Contractor at the end of preceding Year, rounded off to three decimal places

- (ii) The Net Present Value (NPV) of Profit Petroleum share offered to Government by applying ten percent discount rate will be computed taking into account sensitivities of various hypothetical reserves and oil & gas price scenarios.
- (iii) The NPV of the government share of profit petroleum will be calculated by applying weightages of 12/26/12 for low/most likely/high price and reserves scenarios.
- (iv) For evaluation of Fiscal Package offered by bidders, certain assumptions in respect of CAPEX and OPEX, production profiles derived from estimated reserves of each block on offer have been made available on DGH website: www.dghindia.org. Bidders are advised to carefully go through these assumptions while formulating the bid(s).
- (v) The NPV will be computed with crude oil price of US\$ 90/60/30 per barrel and gas price of US\$ 200/150/100 per thousand cubic metres for high/most likely/ low price scenarios and on the basis of assumptions on reserves, production and costs referred to above. For purposes of evaluation of fiscal package, first eight years would be assumed as exploration phase for all the blocks with production to commence from ninth year.
- (vi) The bidder offering the highest Government NPV (Net Present Value) will be given the maximum 50 points and other bidders will get points proportionately computed with reference to the Government NPV computed for the highest bid.

SEDIMENTARY BASIN MAP OF INDIA



LEGEND

	CATEGORY-I BASIN (Proven commercial productivity)		CATEGORY-IV BASIN (Potentially Prospective)
	CATEGORY-II BASIN (Identified prospectivity)		PRE-CAMBRIAN BASEMENT/ TECTONISED SEDIMENTS
	CATEGORY-III BASIN (Prospective Basins)		DEEP WATER AREAS WITHIN EEZ

CATEGORIZATION OF SEDIMENTARY BASINS				
Category*	Basin	Basinal Area (Sq. Km.)		Total
		Onland	Offshore	
UP TO 200M ISOBATH				
I	Cambay	51,000	2,500	53,500
	Assam Shelf	56,000	----	56,000
	Bombay offshore	----	116,000	116,000
	Krishna Godavari	28,000	24,000	52,000
	Cauvery	25,000	30,000	55,000
	Assam-Arakan Fold Belt	60,000	----	60,000
	Rajasthan	126,000	----	126,000
	SUB. TOTAL	346,000	172,500	518,500
II	Kutch	35,000	13,000	48,000
	Mahanadi-NEC**	55,000	14,000	69,000
	Andaman-Nicobar	6,000	41,000	47,000
	SUB. TOTAL	96,000	68,000	164,000
III	Himalayan Foreland	30,000	----	30,000
	Ganga	186,000	----	186,000
	Vindhyan	162,000	----	162,000
	Saurashtra	52,000	28,000	80,000
	Kerala-Konkan-Lakshadweep	----	94,000	94,000
	Bengal	57,000	32,000	89,000
	SUB. TOTAL	487,000	154,000	641,000
IV	Karewa	3,700	----	3,700
	Spiti-Zanskar	22,000	----	22,000
	Satpura-South Rewa-Damodar	46,000	----	46,000
	Narmada	17,000	----	17,000
	Decan Syneclise	273,000	----	273,000
	Bhima-Kaladgi	8,500	----	8,500
	Cuddapah	39,000	----	39,000
	Pranhita-Godavari	15,000	----	15,000
	Bastar	5,000	----	5,000
	Chhattisgarh	32,000	----	32,000
	SUB. TOTAL	461,200	----	461,200
	TOTAL	1,390,200	394,500	1,784,700
DEEP WATERS				
	Kori-Comorin			
	850 E	----	----	1,350,000
	Narcodam			
	GRAND TOTAL	----	----	3,134,700
* Categorization based on the prospectivity of the basin as presently known. The four recognized categories are basins which have : I Established commercial production II Known accumulation of hydrocarbons but no commercial production as yet III Indicated hydrocarbon shows that are considered geologically prospective IV Uncertain potential which may be prospective by analogy with similar basins in the world. This categorization will necessarily change with the results of further exploration. ** Under upgradation to Category-I after Gas discoveries in Block NEC-OSN-97/2				

GEOLOGICAL SET-UP OF SEDIMENTARY BASINS OF OFFERED BLOCKS

MUMBAI BASIN

The Mumbai offshore basin is a passive margin basin located in the central part of the west coast of India. The Kori-Comorin and Laxmi-Laccadive ridges with their complementary depressions are the main tectonic elements. The basin covers an area of about 236,000 sq.km. including deep waters. It is the country's most prolific oil and gas producing basin and is located on a broad shelf believed to be one of the largest continental terrace in the world. The Mumbai High field, which is contiguous to the blocks being offered, is a giant oil field. Over 725 exploratory wells have been drilled resulting in more than 90 oil and gas discoveries. Many more medium to large structures have been mapped in the moderate to deep water areas. The inplace reserves established are around 3375 MMt. The prognosticated hydrocarbon resources are of the order of 9190 MMt.

More than 5 kms. of sediments ranging in age from Paleocene to Recent are present. Early Eocene to Early Miocene sequences are the potential source rocks. The carbonates and clastics of shelfal sequences have good reservoir facies. Shales of the shelfal depositional system are cap rocks. The Indus Fan Delta system is expected to provide litho-stratigraphic entrapments in deep waters. Hydrocarbon accumulations are anticipated within carbonate buildups in Eocene to Middle Miocene, within wedgeouts along margins of ridges and basement highs in Eocene sediments and in unconformity related features within Paleogene sequence. Additionally, Canyon-channel deposits offer other major plays in deep waters.

4 blocks : 2 in Deepwater viz. MB-DWN-2010/1, MB-DWN-2010/2 and 2 in Shallow water viz. MB-OSN-2010/1, MB-OSN-2010/2 are being offered in this basin.

GUJARAT-SAURASHTRA BASIN

The Saurashtra basin is a pericratonic rift basin extending both Onland and offshore and is located in the northern part of the west coast of India. Shelfal horst and graben complex, Shelf margin trough, Laxmi depression, Laxmi ridge & Arabian abyssal plain form the main tectonic elements. The basin covers an area of about 240,000 sq. km including deep waters.

About 7 kms of sediments, ranging in age from Cretaceous to Recent are present. Mature source rocks occur in Paleocene to Oligocene sequences. Extensive platform carbonates and shelf margin reefal bodies possess excellent reservoir characteristics. Eocene to Early Miocene intraformational shales are the likely cap rocks. 23 exploratory wells have been drilled in the Basin and gas shows have been observed in some of the wells. The prognosticated hydrocarbon resources are of the order of 280 MMt.

Eocene carbonates, wedge outs & fault closures in Paleogene sediments are envisaged to be the prospective targets.

1 block in Deepwater viz. GS-DWN-2010/1 is being offered in this basin.

KERALA-KONKAN BASIN

The Kerala-Konkan offshore basin is a pericratonic rift basin located in the southern part of the west coast of India. The basin covers an area of about 94,000 sq. km excluding deep waters. The shelfal horst and graben complex, Alleppey Plateau, Lakshadweep & Laxmi depressions, Laccadive & Laxmi ridges & Arabian abyssal plain are the key structural elements.

A number of positive adsorbed gas anomalies have been observed in part of the basin. The basin is relatively less explored. So far, only 20 wells have been drilled in the basin and hydrocarbon shows have been observed in some of these wells. More than 5 kms thick sediments ranging in age from Cretaceous to Recent are present.

Latest analysis of hydrocarbon potential of Kerala-Konkan has indicated that several source rocks could be active throughout the basin ranging from Jurassic to Paleocene times. Deep basinal grabens might have acted as source depocenters. The maturity of these source rocks might have initialized since Upper

Cretaceous, charging many reservoirs within the basin. There is also possibility that most of the reservoirs would be filled by several source rocks at the same geological time, which might have resulted in existence of several petroleum systems, overlapping each other. Paleocene to Eocene shales has fair potential for generation of hydrocarbons.

Extensive platform carbonates and shelf margin reefal bodies possess excellent reservoir characteristics. Additionally, coastal dolomites and sandstone reservoirs are expected in shelfal horst-graben complex and turbidite reservoirs in deep sea fan complex. Intraformational shales / claystones of Paleocene to Miocene sequences are the likely cap rocks. Recent seismic data acquired in deep waters has revealed attractive play types like carbonate buildups in Miocene, wedgeouts in Paleocene-Eocene, channel sands in Eocene-Oligocene and turbidite and distal fans in Miocene.

The migration of generated hydrocarbons might have initiated during Late Cretaceous time due to re-activation of faults formed during active rifting. Stratigraphic traps within Mesozoic Syn-rift sections may have chances of accumulations. Carbonate buildups and carbonate banks over basement highs in the shelf margin and truncation of Cretaceous sediments against Eocene unconformity are the principal exploration targets.

The prognosticated hydrocarbon resources are of the order of 660 MMt, which are likely to be upgraded in view of ongoing analysis of recently acquired G&G data.

4 blocks : 1 in Deepwater viz. KK-DWN-2010/1 and 3 in Shallow water viz. KK-OSN-2010/1, KK-OSN-2010/2, KK-OSN-2010/3 are being offered in this basin.

ANDAMAN - NICOBAR BASIN

The Andaman-Nicobar basin is an Island Arc basin, extending over both Onland and offshore areas and is located in the southeastern part of the Bay of Bengal. The basin occupies an area of about 47,000 sq. km, excluding deep waters. Cretaceous to Recent sediments with a total thickness of more than 7 kms are present.

So far, 15 wells have been drilled. Gas has been discovered in Mid-Miocene limestone in one of the wells and indications of gas from Early-Miocene sediments have been recorded in a number of wells. Several positive anomalies have been brought out by Geochemical sniffer surveys in the offshore areas.

The drilling index within the Andaman Basin is extremely poor, especially penetrations within the deeper pre-Paleogene sequences up to Early Cretaceous. Due to that, the proportion of reservoir facies, within pre-Neogene sequences are less explored. The recently acquired 2-D Seismic Data when interpreted with Gravity Modeling, have indicated towards existence of many paleo-basins, within deep water sequences.

Although the Andaman Basin is a frontier area, there is potential through a variety of play fairways. Geologically the Andaman basin comprises several sub-basins, each having characteristic depocentres and related provenance. Several petroleum systems have been so far established within Fore arc -Back-arc sub-basins, Central Andaman Sea and East Basin towards Mergui terrace. Out of these only in Fore-arc Sub-basin presence of hydrocarbons has been established.

Recently acquired G&G data within southern province of Andaman Basin near North Sumatra Basin, have indicated the hydrocarbon potential even better than nearby discovered commercial giants. Geochemical analyses have indicated that Andaman-Nicobar region has organic rich sediments. The total organic carbon (TOC) ranges between 2.4% & 5.2% for Cretaceous to Oligocene Shales and Claystones. The Eocene- Miocene Carbonate build-ups along with deeper Synrift turbidites within pre- Paleogene sequences form principal targets. Structural traps associated with drape over basement highs, fault related closures and pinch-outs / wedge-outs are some of the likely exploration targets.

The petroleum system elements along with Generation Migration and Entrapment models, when compared with analogous basins , reflect better prospectivity within the basin. The model suggests that the Paleogene section entered the oil window in the Mid-Late Miocene. The potential thermogenic Source Kitchens lies within deeper

Paleogene sequences while the potential Boigeneic Source Kitchens have been interpreted to be within Neogene sediments.

The prognosticated hydrocarbon resources are of the order of 180 MMt , which are likely to be upgraded in view of recent exploration campaigns within the Andaman basin.

4 blocks in deep waters viz. AN-DWN-2010/1, AN-DWN-2010/2, AN-DWN-2010/3 and AN-DWN-2010/4 are being offered in this basin.

GUJARAT KUTCH BASIN

The Gujarat Kutch basin is a pericratonic rift basin extending both Onland and offshore and is located in the northern part of the west coast of India.

Uplifts from north, east and south are the main tectonic elements. The basin covers an area of about 71,000 sq. km including deep waters.

About 6 kms of sediments, ranging in age from Mesozoic to Recent are present. Mature source rocks occur in Jurassic to Paleocene sequences. Sandstone of Paleocene and Late Cretaceous, extensive carbonate platforms in association with shelf-margin reefals and siltstone possess excellent reservoir characteristics. Tertiary intraformational shales are the likely cap rocks. More than 23 exploratory wells have been drilled in the Basin and oil & gas shows have been observed in some of the wells. The prognosticated hydrocarbon resources are of the order of 760 MMt.

2 blocks in Shallow water viz. GK-OSN-2010/1 and GK-OSN-2010/2 are being offered in this basin.

ASSAM-ARAKAN BASIN

Assam-Arakan basin is a polycyclic basin located in the North-Eastern part of India. The shelf part of the basin spreads over the Brahmaputra and Dhansiri valley, shelf to basinal slope part lies below the Naga Thrust and the basinal (geosynclinal) part is occupied by the Naga Schuppen belt and the Cachar-Tripura Mizoram-Manipur fold belts. This is a proven petroliferous basin covering about 116,000 sq km.

About 7 kms thick sediments ranging in age from Paleocene to Recent are present in the shelf part and a huge thickness of more than 10 kms sediments ranging in age from Upper Cretaceous to Recent is present in the fold and thrust belt. Eocene-Pliocene sequences contain potential source, reservoir and cap rocks. Around 115 oil and gas fields have been discovered in the basin. The total prognosticated resources are of the order of 5040 MMt. Inplace reserves are more than 1600 MMt. Extensive exploration, particularly in Dhansiri Valley, Naga-Schuppen belt and in Nagaland-Tripura-Manipur fold belt is warranted for making further commercial discoveries. Basement highs, fault closures and strati-structural traps are the exploration targets in the shelf part. In the Naga Schuppen belt, structural closures, both in the sub-thrust and supra-thrust blocks are also attractive exploration targets. Large exposed anticlines in Tripura-Manipur fold belt and structural highs in the intervening valleys hold high potential for hydrocarbons in Oligocene and Miocene sediments. Additionally, recent reinterpretation of geoscientific data has identified attractive plays like fault propagation folds and duplexes in Tripura - Manipur area.

3 blocks in Onland viz. AA-ONN-2010/1, AA-ONN-2010/2 and AA-ONN-2010/3 are being offered in this basin.

VINDHYAN BASIN

The Vindhyan basin, a large intra-cratonic sag basin situated in the central part of India, is formed as a result of large scale downwarp in the northern part of Indian platform after the Delhi orogeny. The basin occupies an area of about 162,000sq km of which about 80,000sq km extends into Ganga valley in the north and northeast beneath the cover of Tertiary sequences of the Himalayan fore deep.

The basin is relatively unexplored and only 3 exploratory wells have been drilled so far. The basin comprises more than 5000 m thick sequence of sandstones, shales and limestones of Meso- NeoProterozoic to Early Paleozoic age. One well has produced gas in cased hole DST from a Lower Vindhyan limestone reservoir.

The presence of gas indicating hydrocarbon generation potential of Vindhyan when considered together with large thickness of Vindhyan strata deposited in marine environment is an encouraging factor for pursuing exploration in the basin. Lower Vindhyan shales, particularly, Hinota and Pulkova shales with organic carbon contents of up to 3.89% and 1.86% respectively have good potential as source rocks. The source rock shales in the Lower Vindhyan sequences buried to a depth of above 3000m are likely to be mature in the Son valley area.

Sandstones and limestones of Lower and Upper Vindhyan sequences are the potential reservoir rocks with intraformational shales acting as cap rocks. Bright chances of entrapment exist in the zones of secondary porosity development within Lower and Upper Vindhyan. Large basement highs, fault closures and unconformity related traps are some of the interesting exploration targets.

Occurrence of commercial oil and gas deposits in Infra-Cambrian sedimentary formations of Northern Rim of Gondwanaland prior to its breakup have recently caught the attention of world's Geoscientists. New Zealand, Australia, India, Arabia, Libya, NW Africa and Central America were part of this rim, sharing more or less similar tectonic settings and depositional environments.

The restricted marine evaporate deposits in NW India, Pakistan and southern Oman formed in rift grabens that were in close proximity to each other on a broad carbonate shelf along the northern margin of Gondwanaland during the Infracambrian. Thus, Vindhyan deserve extensive exploration in order to establish the Meso-Neo Proterozoic Petroleum Systems within it, in light of discovery within carbonates in one of the drilled wells from Lower Vindhyan.

The prognosticated resources are of the order of 230 MMt., which deserve upgradation in view of recently established petroleum systems within analogous basins worldwide.

2 blocks in Onland viz. VN-ONN-2010/1 and VN-ONN-2010/2 are being offered in this basin.

GANGA BASIN

The Ganga basin is a polycyclic intra-cratonic basin located in the north-central part of India. The basin initiated during early Proterozoic in extensional phase and subsequently changed over to peri-cratonic setup. It comprises the northern continuation of the Vindhyan Basin an interior sag basin (Precambrian to Lr. Devonian) overlain by the Himalayan foredeep basin (Tertiary). The basin covers an area of about 186,000 sq.km. More than 7 kms thick sediments, ranging in age from Precambrian to Recent are present. Tectonically five depositional cycles were recognized within the basin. Evolutionary history of each cycle differed markedly in terms of its genesis and subsidence history.

Ganga Valley basin is under explored. To date, only 17 wells have been drilled in the basin. Although no commercial hydrocarbon has been discovered in Ganga Basin so far, even though it has been established that hydrocarbon have been generated within the basin. Hydrocarbon shows have been encountered in few of the drilled wells, potential structural and stratigraphic traps have been mapped and good quality, highly fractured reservoirs have also been identified.

Hydrocarbon potential of the basin has been evaluated based on geochemical studies, source, reservoir, seal rocks, hydrocarbon shows, entrapment conditions and environment of deposition. Based on these parameters, two Petroleum systems have been recognized within the Ganga Valley basin, which are Meso-Neo Proterozoic Petroleum System and Ordovician -Silurian Petroleum System. Both have already established the occurrence of the principal phase of oil generation within Pre-Tertiary sediments.

Generation, migration, entrapment along with relative time of trap formation have been analyzed in detail which also reflect towards confirmed hydrocarbon potential of Ganga basin. The sediments within the Sarda Formation of Bahraich Group started generating hydrocarbon since 441Ma with the peak generation at 330 Ma. The thermal maturation model attempted for recently drilled well depicts that fairly good organic rich layers in the Ujhani

Formation have attained kerogen conversion to a maximum of 93-94% as on present-day with significant oil generation (20% TR) began 241Ma with peak expulsion between 240-205Ma.

The recently drilled well within Madhubani Depression has indicated towards the possibility of missing sequences of Mesozoic within Ganga basin, which are well registered within Analogous basins elsewhere in the world including China and Australia. Existence of Ordovician Silurian Petroleum System deserve more exploration activities for confirmation which already has established commercial production from nearby analogous basins in Oman, China and even in Australia.

The prognosticated hydrocarbon resources are of the order of 230 MMt, likely to be upgraded in view of latest exploration activities carried out within the basin.

1 block in Onland viz. GV-ONN-2010/1 is being offered in this basin.

RAJASTHAN BASIN

Rajasthan basins, lie on the northwestern Indian shield and comprises the sedimentary tract lying to the west and northwest of Aravalli-Delhi fold belt up to Indo-Pakistan border. This sedimentary tract comprises of three separate basins, each of which had different geological and sedimentation history. These three basins are Bikaner-Nagaur, Jaisalmer and Barmer-Sanchor basins. These basins form a part of the great Thar Desert and cover an area of about 126,000sq km.

Bikaner-Nagaur and Barmer-Sanchor are essentially Paleozoic and Tertiary basins respectively, whereas the Jaisalmer basin has a well documented Mesozoic and Tertiary history. Bikaner-Nagaur Basin is a nearly north-south trending epi-continental basin with evaporate sequences and is the southern extension of Kohat-Potwar Basin of Pakistan. Jaisalmer basin is a peri-cratonic shelf, and is a part of foreland shelf of Sind-Baluchistan geosyncline. Barmer-Sanchor Basin, a northwest-southeast trending graben is a northward extension of Cambay Basin. Bikaner-Nagaur basin occupies an area of about 70,000sq km, the Jaisalmer basin occupies an area of about 45,000sq km and the Barmer-Sanchor basin occupies an area of 11,000sq km.

The prognosticated hydrocarbon resources are of the order of 1252 MMt. A maximum sedimentary thickness of 7 kms in the Jaisalmer Basin and 3 kms in the Bikaner-Nagaur basin is envisaged. Jurassic to Eocene sequences in the Jaisalmer Basin and Bilara-Jodhpur and Hanseran Evaporite sequences of Early Cambrian age in Bikaner-Nagaur Basin contain suitable source, reservoir and cap rocks. So far, about 271 wells have been drilled. This has resulted in numerous commercial discoveries of oil and gas in Jaisalmer Basin, discovery of light oil in Barmer-Sanchor Basin and heavy oil in Bikaner-Nagaur Basin. Additionally, presence of light oil has been established in Bikaner-Nagaur Basin in Infra Cambrian Hanseran Evaporites. Recently, some major oil strikes have been made in the Tertiary Sandstone reservoirs in the Barmer-Sanchor Basin.

Structural highs and fault closures, unconformity related traps and pinch-outs / wedge-outs are the principal exploration targets.

2 blocks in Onland viz. RJ-ONN-2010/1 & RJ-ONN-2010/2 are being offered in this basin.

CAMBAY BASIN

The Cambay basin is an intracratonic rift basin situated in the western part of India. This is a proven petroliferous basin covering an area of about 53,500 sq. km. More than 90 oil & gas fields have been discovered, of which two namely, Ankleshwar and Gandhar are giant fields. Over 7 km thick Tertiary sediments are present. The total prognosticated hydrocarbon resources are of the order of 2050 MMt and established in-place reserves are more than 1314 MMt. Structural and strati-structural plays in Tertiary sediments are the main exploration targets.

11 blocks in Onland viz. CB-ONN-2010/1, CB-ONN-2010/2, CB-ONN-2010/3, CB-ONN-2010/4, CB-ONN-2010/5, CB-ONN-2010/6 (A & B), CB-ONN-2010/7 (A & B), & CB-ONN-2010/8 (A & B), CB-ONN-2010/9, CB-ONN-2010/10 and CB-ONN-2010/11 are being offered in this basin.

**FORMAT FOR SUBMISSION OF BIDS
FOR EXPLORATION OF OIL AND NATURAL GAS IN
BLOCKS OFFERED
UNDER
NEW EXPLORATION LICENSING POLICY**

NINTH OFFER OF BLOCKS

**MINISTRY OF PETROLEUM & NATURAL GAS
GOVERNMENT OF INDIA
2010**

**GOVERNMENT OF INDIA
MINISTRY OF PETROLEUM & NATURAL GAS**

**FORMAT FOR SUBMISSION OF BIDS
FOR EXPLORATION OF OIL AND NATURAL GAS
IN BLOCKS NINTH ROUND (NELP-IX)**

Please read this Bid Format along with the contract terms in brochure "**Notice Inviting Offers for exploration of oil and natural gas under New Exploration Licensing Policy- Ninth offer of Blocks**", bid evaluation criteria provided in NIO as well as the "**Model Production Sharing Contract (MPSC)**" while formulating bid proposal. Bid not complying with the terms and conditions of NIO or providing incomplete information may be liable for rejection without giving any opportunity to the bidding company. The bidder is expected to provide the required information in as much detail as possible so as to facilitate evaluation of the bid by the Government. No proposal from the bidder for change in any of the bid terms shall be entertained after submission of the bids. Any assumptions/deviations in a bid which are inconsistent with the contract terms listed in the brochure may render the bid liable for rejection. Government at its sole discretion reserves the right to accept or reject any or all of the bids received without assigning any reasons, whatsoever. Government reserves the right to seek any clarification/additional information to enable proper evaluation of bids.

The bid application for a block, **in duplicate**, should provide the following information in such form and detail as specified. If needed, please attach additional documentation and provide clarity to the application. In case of consortium bid, please ensure that all parties to the consortium complete the corporate/financial information outlined in Section III. Bids not submitted in this format covering all the relevant information listed above are liable to be rejected.

I. BIDDER COMPANY / CONSORTIUM

(a) COMPOSITION :

Sl. No.	Name of Company/ Companies	Proposed percentage of Participating Interest
1.		
2.		
3.		
4.		
5.		

(b) OPERATORSHIP:

Name of the proposed Operator(s)*	Proposed percentage of Participating Interest
1.	
2.	

*In case of more than one Operator, name of the proposed leader ____.

II. DESCRIPTION OF THE BLOCK BID FOR:

(To be taken from the brochure of Notice Inviting Offers and data package)

Block Name As per Notice Inviting Offers	Map reference No. of block As per Notice Inviting Offers	Approx. Area of the Block (Sq. Kms.)	Geographic co-ordinates of the block as mentioned in the Data Package / Basin Information Docket
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III. CORPORATE INFORMATION:

This information should be provided by all bidders. In case of a bid from a consortium, each member of the consortium should provide this information.

(a)	The bidding company's legal name	
(b)	In case of Consortium bid, name of the Operator	
(c)	Place of incorporation or registration	Place: State : Country: Zip:
(d)	Authorised representative of the company for communication on the bid	Name: Designation: Address: Tel.: Facsimile: E-mail:
(e)	Name and address of Chairman of Board of Directors	Name: Address: Tel.: Facsimile: E-mail:
(f)	The name and address of the Chief Executive	Name: Designation: Address: Tel.: Facsimile: E-mail:
(g)	The name and address of share holders holding more than 10% of Company's stock	Name: Address: Tel.: Facsimile: E-mail:
(h)	Structure and details of the group, if any, to which the bidding company belongs including information on affiliates / parent company	

(i)	If parent company financial and performance guarantee is proposed to be furnished, then please indicate percentage share-holding of the parent company in the bidding company and the status of the parent company in the group structure	
(j)	The business activities of the company	
(k)	Name(s) and address of parent company(ies) (where applicable)	Name: Address: Tel.: Facsimile: E-mail:
(l)*	Is exploration and production activity included in the Memorandum and Articles of Association of the company (Please provide a Certificate of Incorporation and a copy of Memorandum and Articles of Association as applicable)	Yes / No
(m)*	The company should submit its annual report including the audited balance sheets and profit and loss statements alongwith the schedule of notes forming part of the balance sheet and a certificate (in English language) of their net worth certified by the company's statutory auditor(s) for the latest completed year. In case of parent company guarantee, this information of parent company should also be provided.	
(n)	The Operatorship experience of parent and affiliated Companies in E&P sector in last ten (10) years	
	1. in Onland areas	
	2. in Shallow water areas (upto 400 meter bathymetry)	
	3. in Deepwater areas (beyond 400 meter bathymetry up to 1000 metres bathymetry)	
	4. in Deepwater areas (beyond 1000 m bathymetry)	
(o)	Name of countries in which the bidding company, its affiliates and parent company have been active in E&P operations in the last 10 years	
(p)	Number of total corporate employees of the company	
(q)	Number of employees engaged in petroleum exploration and production	
(r)*	Details of judgments/arbitral awards against company or Consortium members or any corporate member of the group of companies to which the bidder belongs in the past 10 years. Please mention the nature of the case	
(s)	Has the bidder earlier worked in India? If yes, provide details	
(t)	Details of termination of or withdrawal from any earlier Production Sharing Contract in India by the bidding company or any member company of the bidding consortium	

** In case a Company bids for more than one block, only two sets of documents as mentioned at Sl.No. (l), (m) and (r) respectively will suffice. However, against other bid block(s), the Company / consortium should clearly mention the availability of the two sets of documents with reference to the particular block to establish linkage for evaluation purposes.*

III (A) ADDITIONAL CORPORATE INFORMATION:

This information should be provided by bidders and in case of a bid from a consortium, each member of the consortium should provide this information in the format given in Annexure II.

IV. DETAILS OF TECHNICAL CAPABILITY OF THE PROPOSED OPERATOR :

(Not applicable for bidders of Type-S blocks)

The following information of the proposed operator for a block is required to be furnished in the bid:

(A) For Bidders of Onland and Shallow water Blocks

Name of the Company (the proposed operator): _____

Sl No.	Parametres	Information
(i)	Acreage Holding (Petroleum Exploration License) (sq. km.) (Total Onland, Shallow and Deepwaters)	
(ii)	Operatorship experience (years) (Experience of operatorship in oil and gas exploration and /or development and / or production in the last consecutive 10 years)	
(iii)	Average Annual Accretion of Proved reserves (1P) during last 5 years (MMBoe) (Total Onland, Shallow and Deepwaters) Details should be provided for the last 5 years in Table-1(a) at Annexure-I	
(iv)	Average Annual production (O+OEG) for the previous 5 years (MMBoe) (Total Onland, Shallow and Deepwaters) Details should be provided for the last 5 years in Table-2 at Annexure-I	

O+OEG = Oil+Oil equivalent of Gas
Conversion 1 barrel of oil = 6000 cubic feet of gas

Note :

- (a) *Acreage holding, operatorship experience, average annual accretion of Proved hydrocarbon reserves (1P) and average annual production of the designated operator company available in public domain (source to be indicated such as Company's Annual Report, website, etc.) shall be certified by the concerned CEO of the company.*
- (b) *Average Annual Accretion of Proved Reserves (1P) and Average Annual Production of O+OEG total in Onland, Shallow and Deepwater areas will be considered.*
- (c) *Acreage Holding (Petroleum Exploration License) means those areas where the designated operator holds lease/license /permit etc., for Exploration and/or development and/or production operations in accordance with the laws of respective countries.*

(B) For Bidders of Deepwater Blocks

Name of the Company (the proposed operator): _____

SI No.	Parametres	Information
(i)	Acreage Holding (Petroleum Exploration License i.e PEL) (sq. km.) beyond 400 m. bathymetry	
(ii)	Operatorship experience (years) (Experience of operatorship in oil and gas exploration and /or development and / or production in the last consecutive 10 years beyond 400 m bathymetry)	
(iii)	Average Annual Accretion of Proved Reserves (1P) during last 5 years (MMboe) beyond 400 m bathymetry Details should be provided for the last 5 years in Table-1(b) at Annexure-I	
(iv)	Average Annual Production of O+OEG (MMboe) during last 5 years upto 400 m bathymetry from its share of total acreage held either as operator or non-operator. Details should be provided for the last 5 years in Table-3 at Annexure-I	
(v)	Average Annual Production of O+OEG (MMboe) during last 5 years beyond 400 m bathymetry Details should be provided for the last 5 years in Table-4 at Annexure-I	
(vi)	Drilling of Deep Water Exploratory wells beyond 400 m bathymetry during last 5 years. Details should be provided for the last 5 years in Table-7 at Annexure-I	
(vii)	Average Annual Production of O+OEG (MMboe) during last 5 years Details should be provided for the last 5 years in Table-5 & 6 at Annexure-I	
	(a) Beyond 400 m bathymetry and upto 1000 m bathymetry (Table 5)	
	(b) Beyond 1000 m bathymetry (Table 6)	

O+OEG = Oil+Oil equivalent of Gas

Conversion 1 barrel of oil = 6000 cubic feet of gas

Note :

- Acreage holding (PEL), operatorship experience, average annual accretion of Proved hydrocarbon reserves (1P) and average annual production of the designated operator company available in public domain (source to be indicated such as Company's Annual Report, website, etc.) shall be certified by the concerned CEO of the company.*
- For deep water blocks beyond 400 m bathymetry, Average Annual Accretion of Proved Reserves (1P) beyond 400 m bathymetry will only be considered whereas, Average Annual Production of O+OEG both upto 400 m bathymetry and beyond 400 m bathymetry have weightage for evaluation.*
- Production figures information available in public domain (source to be indicated such as Company's Annual Report, website, etc.) and certified by the concerned CEO of the proposed operator company will be considered.*
- Acreage Holding (Petroleum Exploration License) means those areas where the designated operator holds lease/license /permit etc., for development and production operations in accordance with the laws of respective countries.*
- Sub-parameter (vii) will be applicable for evaluation if Operator with production beyond 400 m bathymetry bids singly or in consortium with Indian companies. For consortium with Indian company(ies), one of the partners should have deep water production beyond 400 m bathymetry with minimum PI of 10% and be designated as operator.*

V. Whether bidder confirms to carryout Mandatory Work Programme of 2D seismic (API) during Initial Exploration Period wherever specified against the blocks in the NIO (page 13) : YES / NO

If yes, then estimated expenditure on Mandatory Work Programme - _____(US\$ MM)

VI. BIDDABLE WORK PROGRAMME

In addition to the biddable work programme to be given below by the company, the Mandatory Work Programme as specified in page 13 of NIO is required to be carried out during Initial Exploration Period. Although there would be no minimum expenditure obligation in the contract, a realistic estimate of the expenditure (in US\$) required to complete the Minimum Work Programme should be indicated. In case, the Government has reason to believe that a company has given low or unrealistic cost estimates for the Minimum Work Programme commitment, the Government may use its own cost estimates for the Minimum Work Programme commitment of the company and net worth qualifying criteria may be evaluated by the Government on this basis. Contingent or conditional work programmes or work programmes not precisely specified shall not be considered while evaluating bids.

Sl No.	Type of work	Physical quantity		Estimated expenditure US\$ MM *
(i)	2D Seismic surveys (API) in LKM			
(ii)	3D Seismic surveys (API) # in Sq. Km			
(iii)	Exploratory wells		Well depth (metres)	
		1st well		
		2nd well		
		3rd well		
		& so on		
TOTAL ESTIMATED EXPENDITURE				

Quantum of 3D seismic surveys (API) proposed should be of full fold coverage and be equal to or less than the approximate area of the block

* Physical quantity & expenditure to be bid should be exclusive of Mandatory Work Programme

Note:

Maximum well depth for each of the blocks is indicated and wherever greater well depths are offered under "Exploratory wells" allocation of points will be restricted to the maximum depth specified at page 13 for evaluation. Bidders are free to bid any depths from exploration perspective. Well depth indicated in case of offshore wells has to be from sea bed.

VII. FISCAL PACKAGE :

(A) COST RECOVERY

Percentage of value of annual production
to be allocated for cost recovery : %

(B) SHARING OF PROFIT PETROLEUM AT VARIOUS LEVELS OF PRE-TAX INVESTMENT MULTIPLES

(Please refer to Article 16 and Appendix-D of MPSC for details)

Government Share of Profit Petroleum offered based on Pre-Tax Investment Multiple:

Pre-Tax Investment Multiples (PTIM)	Percentage share of Profit Petroleum offered to Government of India
Less than or equal to 1.500	
3.500 and above	

Note:

1. The percentage share of Profit Petroleum offered by the bidder to Government of India at highest tranche of PTIM (3.500 and above) should always be higher than that offered at the lowest tranche of PTIM (less than or equal to 1.500). Bids not meeting this criterion shall be rejected.
2. For PTIM more than 1.500 and less than 3.500, the percentage share of Profit Petroleum available to Government of India shall be applicable as per Article 16.2.3 of MPSC.

VIII. INFORMATION OF FINANCIAL CAPABILITY :

- i) The bidder, in respect of each of the bidding company shall be required to furnish a certificate from the bidding company(ies) statutory auditors based on the latest completed year's audited annual accounts certifying that the net worth of the bidding company is equal or more than their share of expenditure of the Minimum Work Programme commitment (mandatory and biddable work programme)
- ii) In case the certificate is based on the financial capability of the parent company, the parent company's financial and performance guarantee shall be required to be furnished by the company along with the annual report, annual accounts and net worth certificate in respect of parent company.
- iii) In case a bidding company either bidding alone or as a consortium happens to be the best ranked bidder for two or more blocks, the net worth of the company shall be required to be equal to or more than its participating interest in the value of Minimum Work Programme commitment for all such blocks. In case, the company's net worth is less than its participating interest in the value of Minimum Work Programme commitment for such blocks, the bids will be considered in order of priority given by that company in their bids for respective blocks.

NET WORTH CALCULATION

The net worth of the bidding company / parent company shall be calculated in accordance with the method given below based on the latest completed year's audited annual account and annual report:

Name of the Company:

Sub-criteria	Amount * US \$ MM
a) Paid up capital	
b) Reserve and surplus	
c) Miscellaneous expenditure to the extent not written off	
d) Equity = (a) + (b) - (c)	
e) Contingent liability on revenue account (details to be annexed) (i) (ii) (iii) Total contingent liability on revenue account	
f) Net worth = (d)-(e)	

Note: Exchange rate used, if applicable, to convert figures in US\$

* The above information should be provided for the year for which latest audited annual account and annual reports are available.

IX. WHERE A COMPANY OR A CONSORTIUM HAS SUBMITTED BIDS FOR MORE THAN ONE BLOCK, PRIORITY RANKING IN TERMS OF THE COMPANY / CONSORTIUM'S RELATIVE INTEREST IN DIFFERENT BLOCKS INCLUDING ALL ONLAND TYPE S, ONLAND, SHALLOW WATER AND DEEP WATER BLOCKS, SHOULD BE INDICATED AS FOLLOWS :

NAME OF BLOCKS As Per Notice Inviting Offer	MAP REFERENCE NO. OF BLOCKS As Per Notice Inviting Offer	PRIORITY RANKING
		1
		2
		-
		N

X. A BID BOND IN THE FORM OF A TERM DEPOSIT RECEIPT (TDR) VALID FOR A PERIOD OF ONE YEAR AND WITH A PROVISION FOR PRE-MATURE ENCASHMENT SHALL BE FURNISHED BY THE BIDDER IN THE NAME OF PAY & ACCOUNTS OFFICER, MOPNG, SHASTRI BHAVAN, NEW DELHI FOR AN AMOUNT SPECIFIED IN PARA 4 OF THE TERMS AND CONDITIONS IN NIO.

XI. DOCUMENTS TO BE SUBMITTED ALONGWITH THE BID

1. A bid bond for each of the blocks bid.
2. Proof of payment of tender fees by way of purchase of basin information docket / data package in terms of NIO and Price List.
3. Letter authorizing the person to submit the bid on behalf of the company (to be signed by CEO/ Company Secretary/Director).
4. Documents evidencing the legal existence of the bidding company (including Article of Association and Memorandum and certificate of incorporation/registration).
5. Certificate from statutory auditor of the bidding company regarding net worth.
6. Audited annual reports, balance sheets and profit and loss statements in English language along with the schedule of notes forming part of balance sheet for the latest completed year.
7. Details of Operator's technical and administrative personnel.
8. Consortium or association agreement, where applicable.
9. Document whereby the parent company knows and endorses the bid and the contractual obligations of its affiliate or subsidiary, where applicable.
10. Ample and sufficient power-of-attorney granted to a legal / authorized representative of company / consortium.
11. Minimum Work Programme implementation plan offered for exploration period.
12. Certificates from CEO of the designated operator based on documents available in public domain (source to be indicated such as Company's Annual Report, web site, etc.) about acreage holding, operatorship experience, average annual accretion of Proved hydrocarbon reserves and average annual production of the designated operator.

Annexure-I

Table -1 (a): For Onland/ Shallow water Blocks

Average Annual accretions of Proved reserves (1P) during the last 5 years (Total Onland, Shallow water and Deepwater)

Year	Accretion of oil reserves (MMBBL) Proved	Accretion of Solution Gas reserves (BCF) Proved	Accretion of Free Gas reserves (BCF) Proved	Accretion of O+OEG Reserves (MMBOE) Proved
Average				

NOTE : The figures should be provided for the latest completed five years.

Table -1(b): For Deepwater Blocks

Average Annual accretions of Proved reserves (1P) beyond 400 metres bathymetry during the last 5 years

Year	Accretion of oil reserves (MMBBL) Proved	Accretion of Solution Gas reserves (BCF) Proved	Accretion of Free Gas reserves (BCF) Proved	Accretion of O+OEG Reserves (MMBOE) Proved
Average				

NOTE : The figures should be provided for the latest completed five years.

Table -2

Average Annual Production of O+OEG for the last 5 years (Total Onland, Shallow water and Deepwater):

Year	Annual Production of Oil (MMBBL)	Annual Production of Solution Gas (BCF)	Annual Production of Free Gas (BCF)	Annual Production O+OEG (MMBOE)
Average				

NOTE : The figures should be provided for the latest completed five years.

Table -3**Average Annual Production of O+OEG upto 400 meter bathymetry for the last 5 years:**

Year	Annual Production of Oil (MMBBL)	Annual Production of Solution Gas (BCF)	Annual Production of Free Gas (BCF)	Annual Production O+OEG (MMBOE)
Average				

*NOTE : The figures should be provided for the latest completed five years.***Table -4****Average Annual Production of O+OEG beyond 400 meter bathymetry for the last 5 years:**

Year	Annual Production of Oil (MMBBL)	Annual Production of Solution Gas (BCF)	Annual Production of Free Gas (BCF)	Annual Production O+OEG (MMBOE)
Average				

*NOTE : The figures should be provided for the latest completed five years.***Table - 5****Average Annual Production of O+OEG beyond 400 meter up to 1000 meter bathymetry for the last 5 years:**

Year	Annual Production of Oil (MMBBL)	Annual Production of Solution Gas (BCF)	Annual Production of Free Gas (BCF)	Annual Production O+OEG (MMBOE)
Average				

NOTE : The figures should be provided for the latest completed five years.

Table -6**Average Annual Production of O+OEG beyond 1000 meter bathymetry for the last 5 years:**

Year	Annual Production of Oil (MMBBL)	Annual Production of Solution Gas (BCF)	Annual Production of Free Gas (BCF)	Annual Production O+OEG (MMBOE)
Average				

NOTE : The figures should be provided for the latest completed five years.

- **Conversion to be used : 1 barrel of oil = 6000 Cubic Feet of Natural Gas**
- **Reserves Means ultimate Recoverable component of OIIP/GIIP in respective category**

Table -7**Details of Deep water Exploratory wells beyond 400 m bathymetry drilled during last 5 years**

Year	Number of Exploratory wells drilled beyond 400 m bathymetry during last 5 years *

** Supporting documents for Deployment / hiring of rigs, details of location, well depth from sea bed, etc to be submitted*

ANNEXURE II

ADDITIONAL CORPORATE INFORMATION:

This information should be provided by bidders and in case of a bid from a consortium, each member of the consortium should provide this information in the format given in Annexure II.

(i) Proposed - For individuals (Board of Directors)

1	2	3	4	5	6	7	8
S No	Full name of Board of Directors / News editor	Date of Birth	Parentage	Complete Present & Permanent address	Nationality	Passport Nos and issue date, if any	Contact Address & telephone number, if any.

(ii) For Companies /firms

1	2	3	4	5	6	7	8	9	10	11
S No	Full name of Companies and its foreign collaborator if any including details of Board of Directors as in (i) above	Date of Registration	Present & Permanent Address including address of Head office, Regional Offices and Registered Office	Link with other firm	Activities and other Business owned	Name of CEO/ Partners (with details)	Shareholding pattern for Applicant Company And investing company.	Details of earlier approvals, if any (Ref. No & Date)	Ultimate Ownership of shareholding companies and the investing company along with detailed particulars of owners.	Presence of investing Companies and shareholders in countries across the world, including collaborations with other foreign companies.

PRICE LIST
FOR
BASIN INFORMATION DOCKETS, DATA PACKAGES,
ADDITIONAL DATA ITEMS, ETC.
OF
EXPLORATION BLOCKS OFFERED
UNDER
NEW EXPLORATION LICENSING POLICY

NINTH OFFER OF BLOCKS

MINISTRY OF PETROLEUM & NATURAL GAS
GOVERNMENT OF INDIA
2010

INFORMATION ON PURCHASE OF DATA

PURCHASE OF DATA

For a bid to be valid, bidding company or consortium, as the case may be, is required to pay Tender Fees by way of purchase of the requisite **Basin Information Docket / Data Package** of the block to be bid on or before bid closing date. For the Shallow water blocks MB-OSN-2010/1 (Earlier block MB-OSN-2005/4 under NELP-VII round), KK-OSN-2010/1(Earlier block KK-OSN-2009/1 under NELP-VIII round), KK-OSN-2010/2(Earlier block KK-OSN-2009/2 under NELP-VIII round), KK-OSN-2010/3(Earlier block KK-OSN-2009/3 under NELP-VIII round) and for the Onland blocks VN-ONN-2010/1(Earlier block VN-ONN-2005/1 under NELP-VII round), VN-ONN-2010/2(Earlier block VN-ONN-2005/2 under NELP-VII round), CB-ONN-2010/4(Earlier block CB-ONN-2005/1 under NELP-VII round), the company (ies), which had purchase Data Packages in the earlier NELP round is not required to pay tender fees by way of re-purchase of Data Package. For the blocks AN-DWN-2010/1, AN-DWN-2010/2, AN-DWN-2010/3 & AN-DWN-2010/4 of Andaman basin, the bidding company (ies) or consortium, as the case may be, is required to purchase the requisite Basin Information Docket for the bid(s) to be valid.

In addition, interpretation report of the regional 2D seismic data acquired in deep water areas along East Coast and Southern Tip of India, integrated geophysical survey report in Deccan Syneclise basin and reports on Satellite Gravity data for offshore areas are also separately available, but their purchase is optional. The regional 2D seismic data acquired by DGH and under speculative study in Deepwaters along west coast, east coast and in Andaman sea is also available, but their purchase is optional.

Applicability of Service Tax

- (1) Service Tax is not applicable for Tender Fees.
- (2) For purchase of additional data (tables Sl. No. 4 to 7), Service Tax will be applicable.

The present rate of Service Tax is 10.30%.

MODE OF PAYMENT

The Bidder company shall pay the required amount towards purchase of Data Package/ Information Docket etc. by crossed A/c Payee's Bank Draft / Banker's Cheque drawn in favour of Directorate General of Hydrocarbons payable at New Delhi, India or Telegraphic Transfer through:

STANDARD CHARTERED BANK

NEW YORK, U.S.A

SWIFT : SCBLUS33

CHIPS ABA: 0256

FED ABA: 026002561

A/C NO. : 3582023216001

OF STATE BANK OF PATIALA

FOR FURTHER CREDIT TO

A/C NO. : 55113193950

OF DIRECTORATE GENERAL OF HYDROCARBONS

AT SHASTRI BHAWAN, NEW DELHI (INDIA) BRANCH

SWIFT NO: STBPINBB011

FOR RTGS STBP IFS CODE is STBP0000203

- The **Foreign Bidder company** is required to pay the amount in US\$ only as indicated in the price list.
- The **Indian Bidder company** may pay in Indian Rupees, US\$ converted at the BC selling rate by taking the average conversion rate prevailing in the previous week from the date of Bank Draft/Banker's Cheque meant for Data Package/Information Docket purchase etc. The Bidder company has to provide a certificate from the Banker issuing the Bank Draft/Banker's Cheque to that effect.
- The **consortium comprising of both Indian and Foreign companies** would have the option to buy the data in Indian Rupees or in US\$.

Companies interested in the inspection, purchase of Basin Information Dockets and Data Packages etc. and for any further details may contact :-

Director General,

Directorate General of Hydrocarbons

C-139, Sector-63, Noida 201 301, Uttar Pradesh, India

Telephone No. : +91 120 4029400

Facsimile : +91 120 4029410

E-mail : dg@dghindia.org

Websites : <http://www.indianelpix.com>
<http://www.petroleum.nic.in>
<http://www.dghindia.org>

PRICE LIST

1. INDIVIDUAL BASIN INFORMATION DOCKET

CD ROM - US\$ 10,000 for each Basin

2. DIGITAL SETS OF DATA PACKAGE

SL. NO.	BLOCK NAME	PRICE IN US\$
DEEP WATER BLOCKS		
1	GS-DWN-2010/1	25,000
2	MB-DWN-2010/1	25,000
3	MB-DWN-2010/2	25,000
4	KK-DWN-2010/1	25,000
5	AN-DWN-2010/1	-
6	AN-DWN-2010/2	-
7	AN-DWN-2010/3	-
8	AN-DWN-2010/4	-
SHALLOW WATER BLOCKS		
9	GK-OSN-2010/1	25,000
10	GK-OSN-2010/2	40,000
11	MB-OSN-2010/1	25,000
12	MB-OSN-2010/2	25,000
13	KK-OSN-2010/1	25,000
14	KK-OSN-2010/2	25,000
15	KK-OSN-2010/3	25,000
ONLAND BLOCKS		
16	AA-ONN-2010/1	15,000
17	AA-ONN-2010/2	15,000
18	AA-ONN-2010/3	15,000
19	VN-ONN-2010/1	15,000
20	VN-ONN-2010/1	15,000
21	GV-ONN-2010/1	15,000
22	RJ-ONN-2010/1	25,000

SL. NO.	BLOCK NAME	PRICE IN US\$
23	RJ-ONN-2010/2	15,000
24	CB-ONN-2010/1	15,000
25	CB-ONN-2010/2	15,000
26	CB-ONN-2010/3	15,000
27	CB-ONN-2010/4	25,000
28	CB-ONN-2010/5	25,000
29	CB-ONN-2010/6	25,000
30	CB-ONN-2010/7	15,000
31	CB-ONN-2010/8	15,000
32	CB-ONN-2010/9	15,000
33	CB-ONN-2010/10	15,000
34	CB-ONN-2010/11	15,000

3. **APPLICABLE DISCOUNT FACTOR**

The bidding company/consortium, as the case may be, buying more than one Data Package or Basin Information Docket shall be separately entitled for discount as follows:

No. of Data Package(s)	No. of Basin Information Docket(s)	Discount
1	1	Nil
2	2	10%
3-5	3-5	20%
6-9	6-9	30%
More Than 10	More Than 10	40%

4. ADDITIONAL GEO-SCIENTIFIC DATA ITEMS

SL. No.	PRICE FOR INDIVIDUAL DATA ITEMS	PRICE IN US\$
1.	Seismic Sections	6/LKM
2.	Well Logs - Offshore - Onland	1.2/m average 0.48/m (1800/w)
3.	Composite Log	0.6/m/average (1500/w)
4.	VSP Data of individual wells	324/w
5.	RFT	336/test
6.	DST	324/test
7.	Production Testing	180/zone
8.	Geochemical Investigation Report per well	84/w/report
9.	Palaeontological Report	216/w/report
10.	Palynological Report	138/w/report
11.	Sedimentological Report	156/w/report
12.	Petrophysical Studies	504/w/report
13.	PVT Analysis	600/report/well
14.	Cost of Seismic data tapes	6/LKM + 108/tape as cost of tape and duplication
15.	Well Log Interpretation Report	1200/report/well
16.	Well Completion Report	2400/report/well
17.	Time & Depth Maps	120/map
18.	Velocity Analysis	12/analysis
19.	Synthetic Seismogram	660/seismogram
20.	Single Fold seismic data	2.4/LKM
21.	'dc' exponent and sigma log	12 per well
22.	Logging Data selectively for individual logs - Onland - Offshore	0.96/m 0.24/m
23.	Laboratory Test Results Report of formation fluids produced	60/zone

5. PRICE OF 2D REGIONAL MIGRATED SEISMIC DATA ACQUIRED BY DGH

SL. NO.	QUANTUM OF DATA	US\$/LKM
1.	Total East Coast / West Coast / Andaman data	125
2	1000 to 3000 LKM	140
3	Less than 1000 LKM	150

6. INTERPRETATION REPORT OF INTEGRATED GEOPHYSICAL DATA

SL. NO.	REPORT	PRICE IN US\$
1.	Deccan Syncline Basin	15,000

7. INTERPRETATION REPORT OF DEEP WATER AREAS

SL. NO.	REPORT	PRICE IN US\$
1.	Southern Tip of India	30,000
2.	Cauvery and Palar Basin	30,000
3.	Vishakapatnam Bay and Krishna-Godavari	50,000
4.	Mahanadi-NEC Basin	50,000
5.	The Interpretation Reports consisting of Vishakapatnam Bay and Krishna-Godavari Basin and Mahanadi-NEC Basin together	75,000
6	Kerala-Konkan basin	30,000
7	Mumbai Basin	30,000

DATA VIEWING FACILITY

Physical data rooms with interpretation facility for NELP-IX data will be available at following locations:-

- NOIDA, Uttar Pradesh (India);
- London (UK);
- Calgary (Canada);
- Houston (USA); and
- Perth (Australia).

SL. NO.	TIME SCHEDULE	CHARGES
1.	First 3 days	No charges
2.	Fourth day	US\$ 250 or equivalent INR.
3.	Fifth day	US\$ 500 or equivalent INR.
4.	Sixth day	US\$ 1250 or equivalent INR.

The data viewing would be as per the following conditions: -

- A maximum of upto only 5 technical persons are permitted in Data Viewing Room at one time.
- Copying, photocopying or downloading is not allowed. Only notes can be taken.
- Bags, Briefcases, etc. are not permitted in Data Viewing Room. Only pens/pencils, Laptop and paper note books are permitted.
- Both Basin Information Dockets and Data Packages will be put up for viewing.
- Only authorized representatives of a company/consortium can view the data. Independent consultants are not permitted.
- Data viewing will be with prior appointment on first come first serve basis.
- Company can view the online data on web only on authorization by DGH, for further details, visit the web site <http://www.indianelpix.com>