



**Notice Inviting Offers (NIO)
Format for Submission of Bids &
Price List of Information Dockets
and Data Packages**

for

**The Development of
Discovered Small Oil & Gas Fields in India**

under

Discovered Small Field Policy

**Ministry of Petroleum & Natural Gas
Government of India**

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**Notice Inviting Offers for
Development of
Discovered Small Oil & Gas Fields in India
Under
Discovered Small Field Policy**



I. ANNOUNCEMENT

With the objective to augment domestic production of Crude Oil and Natural Gas, the Government of India announces the offer of 67 fields under the Discovered Small Field Policy (DSFP) through International Competitive Bidding (ICB). These fields have been discovered by Oil & Natural Gas Corporation Ltd (ONGC) and Oil India Ltd (OIL) and are envisaged to be put on production through expeditious efforts.

Companies are invited to bid for development and monetising forty six (46) Contract Areas comprising sixty seven (67) Oil and Gas fields, distributed in nine (9) sedimentary basins. Twenty six Contract Areas (26) are located in Onland, eighteen (18) Contract Areas are located in Shallow water Offshore and two (02) Contract Areas are located in Deepwater Offshore. Companies, either alone or in consortium of unincorporated or incorporated joint ventures, may bid for one or more Contract Areas.

II. MAIN FEATURES OF TERMS OFFERED

In line with Government's efforts to promote 'Ease of Doing Business', Discovered Small Fields shall be awarded to successful bidder by entering into a Revenue Sharing Contract (RSC) with the Government. RSC is based on a simple and easy to administer contractual model (Model Revenue Sharing Contract-MRSC) requiring minimum regulatory burden for monetizing Discovered Small Fields. Some of the attractive features of the terms offered by the Government are as under:

1. Single license is required for exploration and extraction of both conventional and unconventional hydrocarbons.
2. The contractor is allowed to carry out exploration activity during entire contract duration.
3. Bidding criteria is consisting of two components: Biddable Work Programme and Biddable Government Share of Revenue.
4. Biddable Work Programme consisting of Development / Appraisal wells only, which is to be completed within three (3) years in case of Onland, four (4) years in case of Shallow water and six (6) years in case of Deepwater offshore Contract Areas.
5. Biddable Government Share of Revenue (net of Royalty) shall be payable by the Contractor since onset of production.
6. Up to 100% participation by foreign companies/joint ventures.
7. Offered fields shall not have any carried interest by National Oil Companies (ONGC, OIL) or State participation.
8. In order to incentivise new investors, technical capability is not kept as a pre-qualification criteria.
9. Exemption from customs duty is provided on imports required for petroleum operations.



10. Oil cess shall not be applicable on crude oil production from Discovered Small Fields.
11. The contractor will have freedom for pricing and marketing of gas produced from a Contract Area on arm's length basis.
12. 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 at 10% for both Crude Oil & Natural Gas and for Deepwater Offshore areas (beyond 400 meters isobath) at 5% for the first seven years of commercial production and thereafter at the rate of 10% for both Crude Oil and Natural Gas.
13. Liberal provisions have been kept for assignment.
14. Arbitration and Conciliation Act, 1996, based on United Nations Commission on International Trade Law [UNCITRAL] model, would be applicable.
15. Predetermined Liquidated Damages (LD) have been specified for unfinished Biddable Work Program.
16. One-time Bank Guarantee (BG) shall be applicable for the total Biddable Work Program.
17. One-time payment of book value of wells and facilities of ONGC and OIL shall be made, which are identified to be handed over to the contractor on "as is where is" basis.

III. BIDDABLE TERMS:

1. Companies would be required to bid for:
 - i. Work program commitment (20% weightage)
 - ii. The percentage share of Revenue offered to Government of India (80% weightage)
2. The bidder should submit a Field Development Plan including in-place reserves, ultimate reserves, production profile, development wells, production facility, additional appraisal to be undertaken, etc. along with the bid. The bidder will give a schedule of activities to be undertaken.
3. Work Programme commitment should consist of Development / Appraisal wells only.
4. The bidder should bid percentage share of Revenue offered to Government of India (GOI) at the Lower Revenue Point (LRP) which is equal to or less than US \$ 0.0100 million of revenue per day and at the Higher Revenue Point (HRP) which is equal to or more than US \$ 1.0000 million of revenue per day.
5. The revenue for the purpose of determining the Government's Share of Revenue shall be:
 - i. All amounts that are accruing to the Contractor, net of taxes on sales, on account of or in relation to the petroleum produced and saved from the Contract Area, including the stock in hand, during a month after the Effective Date; less
 - ii. Royalty for that month
6. The percentage revenue share to Government of India between the LRP and HRP shall be interpolated on a linear scale with a positive slope.



7. The percentage revenue shares offered shall be non-zero positive whole number, such that, the percentage share of Revenue offered by the bidder to Government of India at Higher Revenue Point (HRP) shall be higher than that offered at Lower Revenue Point (LRP). Bids not fulfilling these requirements will not be considered.

IV. BID QUALIFYING CRITERIA

1. Payment of Tender Fees must be made, by bidding company or any member of the consortium, by way of purchase of the requisite Information Docket for Onshore and / or Offshore Contract Areas 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 net worth of the bidding company(s) should be equal to or more than its Participating Interest value of the Biddable Work Program commitment. The net-worth will be calculated in accordance with the method given in the “FORMAT FOR SUBMISSION OF BIDS”.
4. 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 audited annual accounts for the latest completed year 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. In such cases, the parent company of the successful bidder will be required to provide the financial and performance guarantee as per the provisions of MRSC.

V. BID REJECTION CRITERIA

1. Any bid which is without documentary proof of payment of Tender Fees by way of purchase of the requisite Information Docket of the Contract Area to be bid, shall be rejected.
2. Any bid which is not submitted in “Format for Submission of Bids” incorporating all the information/details listed therein including Bid Bond, is liable to be rejected.
3. Any bid which is submitted with any assumptions / deviations which are inconsistent or not complying with the contract terms, listed in the brochure “Notice Inviting Offers for the Development of Discovered Small Oil & Gas Fields”, is liable to be rejected.
4. Any bid which is not accompanied by the annual report incorporating the audited annual accounts for the last completed year along with a Certificate of net worth from company's statutory auditor(s), based on the last audited annual accounts certifying the net worth of the bidding company, is liable to be rejected.
5. Government of India at its sole discretion reserves the right to accept or reject any or all of the bids received without assigning of any reason, whatsoever.



VI. BID EVALUATION CRITERIA

The following main parameters will be considered while evaluating the bids:

1. The bidding companies should have adequate net worth. 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 Biddable Work Program commitment. 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.
2. In case a bidding company, either bidding alone or as a consortium, happens to be the best ranked bidder for two or more Contract Areas, the net worth of the company shall be required to be equal to or more than its Participating Interest (PI) in the value of Biddable Work Program for all such Contract Areas. In case, the company’s net-worth is less than its Participating Interest in the value of Biddable Work Program for all such Contract Areas, the bids will be considered in order of priority given by that company in their bids.
3. The bids will be evaluated on the basis of Biddable Work Program and Biddable share of Government Revenue. The bids will be evaluated and ranked in accordance with the evaluation criteria provided herein. The points for each criterion shall be as under:

Criteria	Points [Points on a Scale of 100]
(A) Biddable Work Program	20
(B) Biddable Government Share of Revenue	80

(A) EVALUATION OF BIDDABLE WORK PROGRAM:

Only the biddable number of appraisal / development wells, proposed to be drilled as part of the Field Development plan will be considered for evaluation purposes. Any contingent/ conditional Work Program will be ignored, while evaluating the bids.

Work Program	Points
Appraisal/Development Wells	Bidder with the highest total number of Wells (nos.) bid will be assigned 20 points and other bidders will be assigned points on pro-rata basis

(B) EVALUATION OF BIDDABLE GOVERNMENT SHARE OF REVENUE:

- i. The Revenue Share offered to Government of India (GOI) by the bidder at the Lower Revenue Point (LRP) and at the Higher Revenue Point (HRP) will be considered for evaluation.
- ii. The Net Present Value (NPV) of Revenue Share offered to Government by applying ten percent (10%) discount rate will be computed under four scenarios taking into account four notional revenue profiles. The assumed revenue profiles to be used for



fiscal bid evaluation are made available on DGH website: www.dghindia.gov.in. Bidders are advised to carefully go through these assumptions while formulating the bid(s). It is clarified that the revenue profiles are assumed numbers to be used exclusively for fiscal evaluation and do not constitute any indication of the field or revenue potential or future performance. A simple average of the four figures of NPV of Government share arrived under the four scenarios will be used for evaluation.

- iii. The bid with the highest Government NPV [Net Present Value] will be given the maximum 80 points and other bids will get points proportionately computed with reference to the Government NPV computed for the highest bid.
- iv. In case of identical bids, the bids will be evaluated based on the total net worth of competing bidders.

VII. TENDER FEES

For a bid to be valid, bidding company/consortium, as the case may be, is required to pay Tender Fees by way of purchase of the requisite Field Information Docket either of "All Onshore Contract Areas" or "All Offshore Contract Areas" or both depending upon whether company/consortium is bidding for any of Onshore Contract Area or Offshore Contract Area or both, on or before bid closing date.

VIII. AVAILABILITY OF INFORMATION

Notice Inviting Offers (NIO) giving details of the Contract Areas on offer, their geographical location on a map of India, the terms and conditions, bid format, price list, a copy each of Model Revenue Sharing Contract (MRSC) and Petroleum Tax Guide (PTG) 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>, at website of Directorate General of Hydrocarbons <http://www.dghindia.gov.in> and exclusive websites of <http://www.indiadsf.com> and <http://www.mstcecommerce.com>.

Field Information Dockets prepared by Directorate General of Hydrocarbons (DGH) and ONGC/OIL for each of the field wherein the details of Contract Areas on offer are available. These Dockets contain information on regional and local geology, concerned field description, hydrocarbon discovery, Reserves (In-place and Ultimate) and a brief write-up of the field, wherever available, including details of wells drilled in the field. The field information dockets are available for online purchase through e-bidding portal www.mstcecommerce.com. Basin Information Dockets containing geological information about the Sedimentary Basins is also available for purchase in soft version. The Data Packages of the contract areas on offer are available in digital mode. The digital data set comprising seismic data, navigation data and well-log data, special reports like well completion reports, etc., wherever available for the individual contract area are available for purchase (for details, see Price List).

The digital copies of the Field Information Dockets and Data Packages on work stations with interpretation facilities are available for inspection at data viewing centres for Discovered



Small Fields at New Delhi (Noida), Calgary, London and Perth on dates mentioned against each of these locations on website. Besides, viewing of selected data of Contract Area is available on the website <http://www.indiadsf.com>

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

**Directorate General of Hydrocarbons
(Under Ministry of Petroleum & Natural Gas)**

OIDB Bhawan, Plot No-2, Sector-73, Noida-201301, Uttar Pradesh, India
Phone: 0120-2472000, Fax: 0120-2472049, E-mail: dsf.bidding@dghindia.gov.in
Website: <http://www.dghindia.gov.in>
<http://www.petroleum.nic.in>, <http://www.indiadsf.com>

Bids shall be submitted online through e-bidding portal <http://www.mstcecommerce.com> not later than 1200 hrs. IST on 31st October, 2016.

All documents as mentioned at Section - 3, point - XII are to be submitted in duplicate in sealed envelopes superscribed "Confidential Bid documents under Discovered Small Field policy for the Contract Area (s)....." not later than 1200hrs IST on 31st October, 2016 (Bid closing date) at DGH address mentioned above.

Bids shall be opened online at 1330 hrs IST on the same day. Any change in the indicated schedule shall be communicated subsequently.

Sd/-

**(U.P. Singh)
Additional Secretary to the Government of India**

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28th April, 2016



IX. OTHER TERMS AND CONDITIONS

1. Parties to the Contract:

The Parties to the contract shall be the Government of India and the successful bidding company or consortium. The Model Revenue Sharing Contract (MRSC) may be referred to for the detailed terms and conditions.

2. Type of Contract:

The contract shall be a Revenue Sharing Contract in line with the Model Revenue Sharing Contract (MRSC). 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:

Bidding Companies will have to:

- a) Provide audited financial statements and certificate of net worth from its statutory auditors in accordance with the bid format to prove its financial capability
- b) Submit Bid Bond at the specified rates

4. Bid Bond:

Bidders shall be required to furnish bid bond for Rs 1.0 million at the time of submission of bid, for each Contract Area, which will be valid for one year period. The bid bond will be released on signing of contract for the Contract Area. If the contract is not signed within 90 days after the award of the Contract Area, the bid bond of the successful bidder will be forfeited.

5. Bank Guarantee for Biddable Work Program commitment:

One-time Bank Guarantee (BG) valid for the Appraisal/Development period for the Biddable Work Program is to be submitted by the successful bidder after signing of the Contract as per Article-27 of the MRSC.

6. Payment of Book Value Cost:

If the Company/Contractor comprises of parties other than the ONGC/OIL to whom the field belonged, it will be required to make a one-time payment to ONGC or OIL, as the case may be, equivalent to the book value of the assets (like production facilities, producing/producible wells, etc.) that are identified to be handed over to the Company/Contractor after the bidding, on a 'as is where is' basis. The book value amount is given in Chapter - 2 and will be payable by the winning bidder to ONGC or OIL, as the case may be within six (6) months from date of signing of contract.

7. 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.



8. Liquidated Damage (LD):

The following Liquidated Damages shall be levied at the end of Appraisal/Development period in the event of non-drilling of Appraisal/Development wells as committed in the bid.

	Onland [US\$]	Shallow water [US\$]	Deepwater [US\$]
Per Appraisal/ Development Well	1,000,000	3,000,000	6,000,000

9. Commencement of Production:

The company will commence commercial production from the Contract Area within three (3) years in case of Onland, four (4) years in case of shallow water and six (6) years in case of Deepwater Offshore Contract Areas with water depth more than 400 meters from the Effective date as defined in the MRSC. In case the Oil and Gas production does not commence within the aforesaid timelines, the area will stand relinquished.

The Government may grant up to two extensions of six (6) months each for the Contractor to commence production for reasons acceptable to Government as per Article 3 and other relevant provisions of MRSC. .

10. Exploration Period:

The Contractor will be allowed to carry out exploration activity during entire contract duration. Exploration will be at the sole risk of the Contractor/Operator.

11. Development Period:

The drilling of Development and Appraisal Wells bid for the bidden Contract Area is to be completed within three (3) years in case of Onland, four (4) years in case of Shallow water Offshore and six (6) years in case of Deepwater Offshore Contract Areas with water depth more than 400 meters. This timeline will start from the effective date as defined in the MRSC.

12. Relinquishment:

In case the oil and gas production does not commence within the timelines as given in point no. 9 above and in Article 10 of MRSC, the area will stand relinquished and the contract will be terminated. In case the production ceases for a period of more than one year at any instance after the commencement, of production then Government may terminate the contract.

13. Bidden Work Obligation:

The companies will be required to bid for the number of appraisal / development wells for the Contract Area and commit to carry out the Bidden Work Program within the timelines as mentioned in point No. 11 above and in Article 3 of MRSC.

14. Contract Duration:

The contract duration for development and production from the offered Contract Areas



would be a maximum of twenty years [20] from the effective date as defined in MRSC or till economic life of the Contract Area as per development plan submitted in the Bid, unless the Contract is terminated earlier in accordance with its terms, but may be extended upon mutual agreement between the Parties for a further period not exceeding ten [10] years. Contract can be terminated earlier by Government of India if the production from the offered Contract Area ceases for a period of over one [1] year at any instance.

15. Mining Lease/Petroleum Exploration License:

Current Mining Lease holder will be required to transfer/assign the Mining Lease (ML) or Petroleum Exploration License (PEL) along with all available clearances to the Contractor, to the extent legally possible, or else the Contractor has to obtain the same. The effective date for all purposes will be as defined in MRSC. Lease/License rent/fees will be governed as per ORD Act 1948 and P&NG Rules 1959 as amended from time to time.

16. Revenue Share:

The revenue share offered to Govt. of India (GOI) by the bidder at the Lower Revenue Point (LRP), which is equal to or less than US \$ 0.0100 Million of revenue per day and at the Higher Revenue Point (HRP), which is equal to or more than US \$ 1.0000 Million of revenue per day will be considered for evaluation purposes.

17. Valuation:

For valuation of crude, condensate and natural gas, refer the Article 19 of MRSC.

18. 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.

19. Gas and Crude Oil Pricing:

The Contractor will be free to sell Natural Gas produced from Contract Area exclusively in domestic market through a transparent bidding process on Arm's Length Sales Principle. The Government share of revenue shall be calculated at price actually obtained or the price calculated based on the Domestic Natural Gas Pricing Guidelines issued by the Government from time to time whichever is higher as provided in Article 19 of the MRSC.

The Contractor will be free to sell Crude Oil and Condensate produced from Contract Area exclusively in domestic market through a transparent bidding process on Arm's Length Sales Principle. However, the Government share of revenue shall be calculated at a price actually obtained or the price of Indian Basket of Crude Oil as calculated by Petroleum Planning and Analysis Cell on a monthly basis whichever is higher as provided in Article 19 of the MRSC.

20. Assignment:

Assignments as provided under article 26 of the MRSC 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.

21. Management Committee:

A Management Committee [MC] will be constituted, as per Article 6 of the MRSC, with representatives from Government and Contractor. Government shall nominate two (2) member representing Government in the Management Committee, whereas each Company constituting Contractor shall nominate one (1) Member each to represent Company in the Management Committee or two (2) representatives in case contractor is a single party.

22. Royalty:

The following Royalty rates will be applicable as per relevant notification:

Type of hydrocarbons	Onland	Shallow	Deepwater
Crude Oil	12.5%	10%	5%*
Natural Gas	10%	10%	5%*

*For first seven years of commencement of production in a Contract Area and 10% thereafter

23. Oil Cess:

Oil cess is not applicable.

24. Customs Duty:

Customs duty is exempted on import of specific goods and services for Petroleum operations.

25. Bonuses:

There shall be no signature, discovery or production bonus.

26. Income Tax:

Income Tax for the Contract Area will be governed by the prevailing Income Tax Act as amended from time to time.

27. Data:

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

28. Local Preference:

The Company shall give preference to the use of Indian goods and services subject to quality, schedule, availability and competitive pricing.

29. Employment & Training:

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



30. Transfer of Technology:

At the request of the Government, the Company shall endeavour to render technical assistance to the Government of India or its nominees, upon negotiations.

31. Applicability of Laws:

Contract shall be governed by the applicable Indian laws.

32. Arbitration:

Arbitration procedures shall be as per the Indian law in this regard and will be held in India.

33. General:

The English language shall be the language of the contract.

34. 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.

35. Right to ask clarifications on the Bids:

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

36. 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 Contract Area or execution of the contract, the award shall be withdrawn or the contract shall be liable for cancellation.

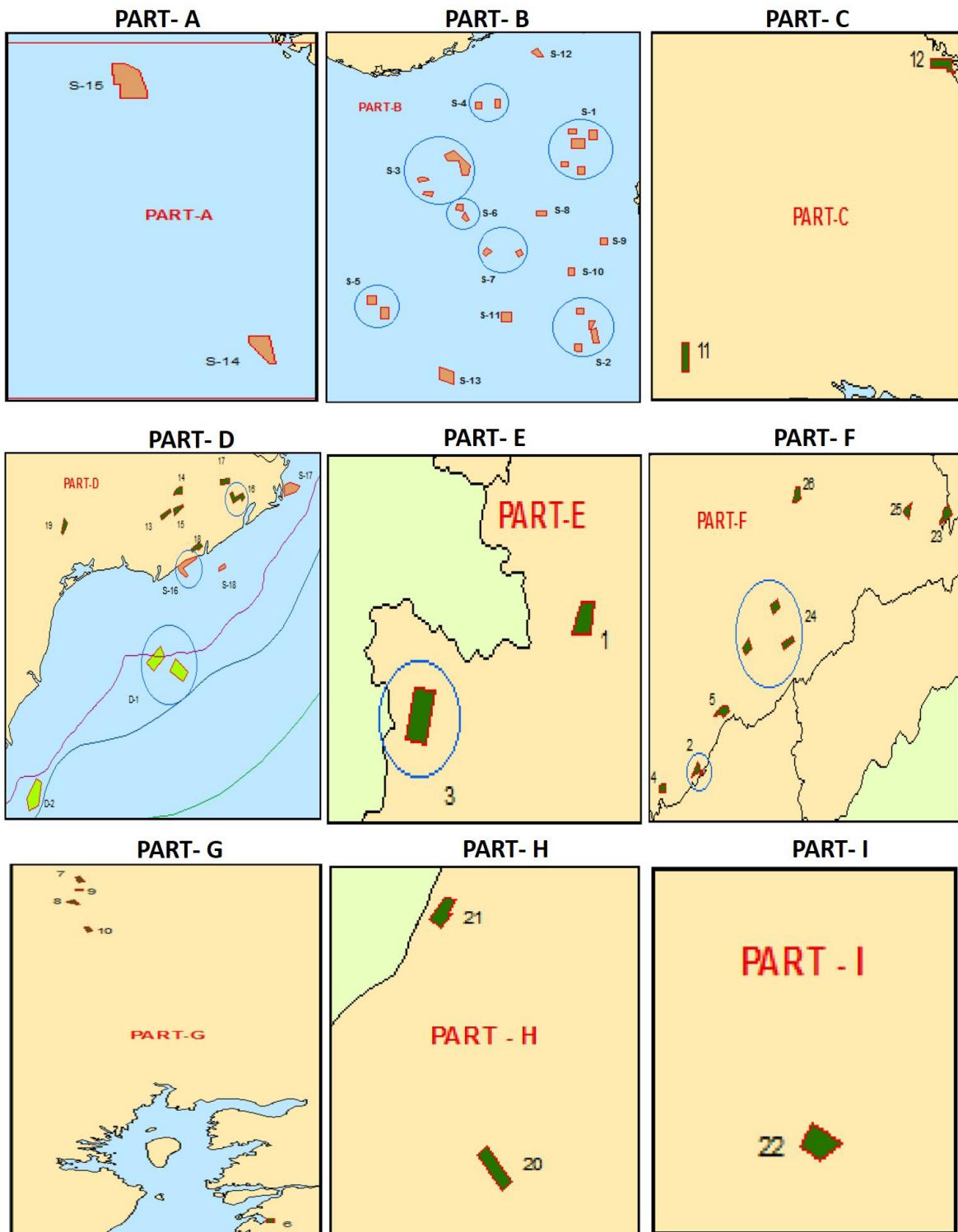


X. DISCOVERED SMALL FIELDS ON OFFER UNDER DISCOVERED SMALL FIELD POLICY





XI. LOCATION MAP OF DISCOVERED SMALL FIELDS ON SEDIMENTARY BASINS MAP





XII. DETAILS OF CONTRACT AREAS ON OFFER

Further details of contract areas are given in respective Information Docket.

Sl. No.	Basin	Field	Contract Area Name	Type of Discovery	Map Ref. No.	Area [Sq. kms.]
1	AAFB	HILARA	HILARA-DSF-2016	Oil+Gas	1	9.6
2	ASSAM SHELF	LAXMIJAN	LAXMIJAN Cluster-DSF-2016	Oil+Gas	2	8.9
		BIHUBAR		Oil+Gas		
3	AAFB	NORTH PATHARIA	PATHARIA Cluster-DSF-2016	Gas	3	19.15
		PATHARIA		Gas		
4	ASSAM SHELF	BARSILLA	BARSILLA-DSF-2016	Oil+Gas	4	6.22
5	ASSAM SHELF	CHARAIDEO	CHARAIDEO-DSF-2016	Oil+Gas	5	11.5
6	MUMBAI OFFSHORE	CA	CA Cluster-DSF-2016	Oil+Gas	S-1	81.42
		SD-14		Gas		
		SD-4		Oil+Gas		43.8
		TP		Gas		25.1
		CD		Oil+Gas		19.3
		ED-4		Oil		28.6
7		B-37	B37 Cluster-DSF-2016	Oil+Gas	S-2	31
		B-51		Gas		22.3
		B-174		Gas		46.6
		B-183		Gas		24.3
8		B-7	B9 Cluster-DSF-2016	Gas	S-3	22.66
		BRC		Oil		22
		B-9		Gas		138.5
9		C-37	C37 Cluster-DSF-2016	Gas	S-4	26.02
		C-43		Gas		23.4
10		D-12	D31 Cluster-DSF-2016	Gas	S-5	52
		D-31		Oil+Gas		53
11		B-15	B15 Cluster-DSF-2016	Oil+Gas	S-6	20.41
		B-15A		Oil+Gas		20.8



Sl. No.	Basin	Field	Contract Area Name	Type of Discovery	Map Ref. No.	Area [Sq.kms.]
12		B-127E	B127E Cluster-DSF-2016	Oil+Gas	S-7	16.3
		B-153		Oil+Gas		23.02
13		B-14	B14-DSF-2016	Gas	S-8	26.7
14		B-163	B163-DSF-2016	Gas	S-9	21.8
15		PER	PER-DSF-2016	Oil+Gas	S-10	33
16		B-80	B80-DSF-2016	Oil+Gas	S-11	56.02
17		NMT	NMT- DSF-2016	Gas	S-12	25.08
18		D-18	D18-DSF-2016	Oil+Gas	S-13	97.4
19	KUTCH OFFSHORE	GK-39	GK39- DSF-2016	Gas	S-14	22.2
20	KUTCH OFFSHORE	KD	KD-DSF-2016	Oil+Gas	S-15	46
21	CAMBAY	ELAO	ELAO-DSF-2016	Gas	6	9.98
22		SOUTH PATAN	SOUTH PATAN-DSF-2016	Oil+Gas	7	9.88
23		KHAMBEL	KHAMBEL-DSF-2016	Oil+Gas	8	9.78
24		KAMBOI	KAMBOI-DSF-2016	Oil+Gas	9	2.35
25		WEST BECHRAJI	WEST BECHRAJI-DSF-2016	Oil+Gas	10	9.15
26	CAUVERY	NEDUVASAL	NEDUVASAL-DSF-2016	Oil+Gas	11	10.01
27		KARAikal	KARAikal-DSF-2016	Oil	12	10.4
28	KRISHNA-GODAVARI (ONLAND)	PALAKOLLU	PALAKOLLU-DSF-2016	Gas	13	9.18
29		ACHANTA	ACHANTA-DSF-2016	Gas	14	9.63
30		LANKAPALEM	LANKAPALEM-DSF-2016	Gas	15	10
31		UPPIDI	BHIMANAPALLI Cluster-DSF-2016	Gas	16	15.1
32		BHIMANAPALLI		Gas		
33		MUMMIDIVARAM	MUMMIDIVARAM-DSF-2016	Gas	17	9.73
34		KORAVAKA	KORAVAKA-DSF-2016	Oil+Gas	18	9.9
35		SANARUDRAVARAM	SANARUDRAVARAM-DSF-2016	Gas	19	9.35
36	KRISHNA - GODAVARI (OFFSHORE)	GS-KV-1	GSKV1 Cluster-DSF-2016	Gas	S-16	24.2
37		GS-59		Oil+Gas		
		YS-5	YS5-DSF-2016	Gas	S-17	26.5
		GS-70	GS70-DSF-2016	Oil+Gas	S-18	4.3



Sl. No.	Basin	Field	Contract Area Name	Type of Discovery	Map Ref. No.	Area [Sq. kms.]
38	KRISHNA-GODAVARI (OFFSHORE-DW)	GD-7	GD7 Cluster-DSF-2016	Gas	D-1	40
		GD-1		Gas		40
39		KD-1	KD1-DSF-2016	Gas	D-2	55
40	RAJASTHAN	BAKHRI TIBBA	BAKHRI TIBBA-DSF-2016	Gas	20	13.4
41	RAJASTHAN	SADEWALA	SADEWALA-DSF-2016	Gas	21	10.3
42	VINDHYAN BASIN	NOHTA	NOHTA-DSF-2016	Gas	22	15
43	AAFB	KHEREM	KHEREM-DSF-2016	Oil+Gas	23	16.45
44	ASSAM SHELF	DIPLING	DIPLING Cluster-DSF-2016	Oil+Gas	24	10.1
		SAROJINI		Oil+Gas		8.79
		SAPEKHATI		Oil+Gas		9.28
45	ASSAM SHELF	DUARMARA	DUARMARA-DSF-2016	Oil+Gas	25	8.91
46	ASSAM SHELF	JERAIPATHAR	JERAIPATHAR-DSF-2016	Oil	26	10.1

XIII. PEL/PML/OPEN ACREAGE STATUS OF DISCOVERED SMALL FIELDS ON OFFER

Sl. No.	Basin	Contract Area Name	Fields	Lease held by	PML/PEL/ Open acreage	Validity of lease
1	AAFB	HILARA-DSF-2016	HILARA	ONGC	CACHAR DISTRICT PML	03.01.2020
2	ASSAM SHELF	LAXMIJAN Cluster-DSF-2016	LAXMIJAN	ONGC	MEKEYPORE-SANTAK-NZR EXTN., South East Geleki Extn.- Part B ML & Open Acreage	25.09.2031
3	ASSAM SHELF		BIHUBAR			25.09.2031
4	AAFB	PATHARIA Cluster-DSF-2016	NORTH PATHARIA	ONGC	North Patharia ML	29.03.2029
5	AAFB		Patharia	ONGC	North Patharia ML	29.03.2029



Sl. No.	Basin	Contract Area Name	Fields	Lease held by	PML/PEL/ Open acreage	Validity of lease
6	ASSAM SHELF	BARSILLA- DSF-2016	BARSILLA	ONGC	NAMTI PML & South East Geleki Extension- Part-A PML	08.11.2027
7	ASSAM SHELF	CHARAIDEO- DSF-2016	CHARAIDEO	ONGC	CHARAIDEO- NAHORABI PML, Charaideo Nahorabi Extn. PML & Open Acreage	29.01.2021
8	MUMBAI OFFSHORE	CA Cluster-DSF-2016	SD-4	ONGC	BOFF PML	02.01.2020
9	MUMBAI OFFSHORE		SD-14	ONGC	BOFF PML	02.01.2020
10	MUMBAI OFFSHORE		CA	ONGC	BOFF PML	02.01.2020
11	MUMBAI OFFSHORE		TP	ONGC	C-Series	31.03.2026
12	MUMBAI OFFSHORE		CD	ONGC	BOFF PML	02.01.2020
13	MUMBAI OFFSHORE		ED-4	ONGC	BOFF PML	02.01.2020
14	MUMBAI OFFSHORE	B37 Cluster DSF- 2016	B-37	ONGC	N Heera PML	03.12.2022
15	MUMBAI OFFSHORE		B-51	ONGC	SE of Bassein PML	31.03.2026
16	MUMBAI OFFSHORE		B-174	ONGC	BOFF PML	02.01.2020
17	MUMBAI OFFSHORE		B-183	ONGC	SE of Basein PML	31.03.2026
18	MUMBAI OFFSHORE	B9 Cluster DSF-2016	B-7	ONGC	Extn. of NW Mumbai High PML Additional	20.11.2019
19	MUMBAI OFFSHORE		BRC	ONGC	NW MH PML	31.03.2026
20	MUMBAI OFFSHORE		B-9	ONGC	Extn. NW of Mumbai High PML	16.11.2028



Sl. No.	Basin	Contract Area Name	Fields	Lease held by	PML/PEL/ Open acreage	Validity of lease
21	MUMBAI OFFSHORE	C37 Cluster- DSF-2016	C-37	ONGC	C-37 PML	11.09.2027/ 20.11.2019*
22	MUMBAI OFFSHORE		C-43	ONGC	C-37 PML	11.09.2027/ 20.11.2019*
23	MUMBAI OFFSHORE	D31 Cluster- DSF-2016	D-12	ONGC	SW of MH PML	31.03.2026
24	MUMBAI OFFSHORE		D-31	ONGC	SW MH PML	31.03.2026
25	MUMBAI OFFSHORE	B15 Cluster- DSF-2016	B-15	ONGC	BOFF PML	02.01.2020
26	MUMBAI OFFSHORE		B-15A	ONGC	Extn. of NW Mumbai High PML Additional	20.11.2019
27	MUMBAI OFFSHORE	B127E Cluster- DSF-2016	B-127E	ONGC	BOFF PML	02.01.2020
28	MUMBAI OFFSHORE		B-153	ONGC	BOFF PML	02.01.2020
29	MUMBAI OFFSHORE	B14-DSF-2016	B-14	ONGC	BOFF PML	02.01.2020
30	MUMBAI OFFSHORE	B163-DSF-2016	B-163	ONGC	BOFF PML	02.01.2020
31	MUMBAI OFFSHORE	PER-DSF-2016	PER	ONGC	BOFF PML	02.01.2020
32	MUMBAI OFFSHORE	B80-DSF-2016	B-80	ONGC	West of Basein PML	31.03.2026
33	MUMBAI OFFSHORE	NMT-DSF-2016	NMT	ONGC	BOFF PML	02.01.2020
34	MUMBAI OFFSHORE	D18-DSF-2016	D-18	ONGC	D-18 PML	31.12.2024
35	KUTCH OFFSHORE	GK39-DSF-2016	GK-39	ONGC	GK-28 PML Additional	20.11.2019
36	KUTCH OFFSHORE	KD-DSF-2016	KD	ONGC	KD Field PML	31.03.2026
37	CAMBAY	ELAO-DSF-2016	ELAO	ONGC	ELAO PML	29.03.2010
38	CAMBAY	SOUTH PATAN- DSF-2016	SOUTH PATAN	ONGC	South Patan PML, Patan Tharad PML & Open Acreage	15.06.2017



Sl. No.	Basin	Contract Area Name	Fields	Lease held by	PML/PEL/ Open acreage	Validity of lease
39	CAMBAY	KHAMBEL-DSF-2016	KHAMBEL	ONGC	Chandrora PML & Open acreage	15.02.2024
40	CAMBAY	KAMBOI-DSF-2016	KAMBOI	ONGC	KAMBOI PML	24.12.2018
41	CAMBAY	WEST BECHRAJI- DSF-2016	WEST BECHRAJI	ONGC	Bechraji Ext-I ML & Open acreage	28.03.2024
42	CAUVERY	NEDUVASAL- DSF-2016	NEDUVASAL	ONGC	L-II PML	30.12.2019
43	CAUVERY	KARAikal-DSF-2016	KARAikal	ONGC	L-II PML	30.12.2019
44	KG (Onshore)	PALAKOLLU- DSF-2016	PALAKOLLU	ONGC	Godavari ONLAND PML & Medapadu-I PML	31.12.2019
45	KG (Onshore)	ACHANTA-DSF-2016	ACHANTA	ONGC	Kavitam PML	31.12.2019
46	KG (Onshore)	LANKAPALEM- DSF-2016	LANKAPALEM	ONGC	Godavari ONLAND PML	31.12.2019
47	KG (Onshore)	BHIMANAPALLI Cluster-DSF-2016	UPPIDI	ONGC	Godavari ONLAND PML	31.12.2019
48	KG (Onshore)		BHIMANAPALLI	ONGC	Godavari ONLAND PML	31.12.2019
49	KG (Onshore)	MUMMIDIVARAM- DSF-2016	MUMMIDIVARAM	ONGC	Godavari ONLAND PML	31.12.2019
50	KG (Onshore)	KORAVAKA- DSF-2016	KORAVAKA	ONGC	Addvipalem Ponnamanda PML	31.12.2019
51	KG (Onshore)	SANARUDRAVARAM- DSF-2016	SANARUDRAVARAM	ONGC	West Godavari Onland PML	31.12.2019
52	KG (Offshore)	GSKV1 Cluster- DSF-2016	GS-KV-1	ONGC	Vainateyam Part-I PML, Vainateyam Extn. PML- Area A & Godavari Onland PML	19.09.2022
53	KG (Offshore)		GS-59	ONGC	Yanam PML	19.09.2022
54	KG (Offshore)	YS5-DSF-2016	YS-5	ONGC		



Sl. No.	Basin	Contract Area Name	Fields	Lease held by	PML/PEL/ Open acreage	Validity of lease
55	KG (Offshore)	GS70-DSF-2016	GS-70	ONGC	GS-15/23 PML & Vainateyam Part-II PML	03.09.2018
56	KG (Offshore-DW)	GD7 Cluster-DSF-2016	GD-7	ONGC	KG-OS-DW-III PEL	19.04.2017
57	KG (Offshore-DW)		GD-1	ONGC	KG-OS-DW-III PEL	19.04.2017
58	KG (Offshore-DW)	KD1-DSF-2016	KD-1	ONGC	Open Acreage	PML applied. Not granted
59	RAJASTHAN	BAKHRI TIBBA-DSF-2016	BAKHRI TIBBA	ONGC	Bakhriwala PML & Open Acreage	09.01.2021
60	RAJASTHAN	SADEWALA-DSF-2016	SADEWALA	ONGC	Gotharu Extn-I PML & Open Acreage	09.01.2021
61	VINDHYAN BASIN	NOHTA-DSF-2016	NOHTA	ONGC	Nohata-Damoh-Jabera PML	09.02.2022
62	AAFB	KHEREM-DSF-2016	KHEREM	OIL	Ninguru Extn. PML	03.06.2023
63	ASSAM SHELF	DIPLING Cluster-DSF-2016	DIPLING	OIL	Moran PML	09.01.2021
64			SAROJINI	OIL	Moran Extn. PML	31.10.2026
65				OIL	Dumduma PML (Part-A)	
66	ASSAM SHELF	DUARMARA-DSF-2016	DUARMARA	OIL	Dumduma PML (Part C)	25.11.2029
67	ASSAM SHELF	JERAIPATHAR-DSF-2016	JERAIPATHAR	OIL	Tinsukhia PML & Chabua PML	06.12.2021

* Date corresponding to additional area approved



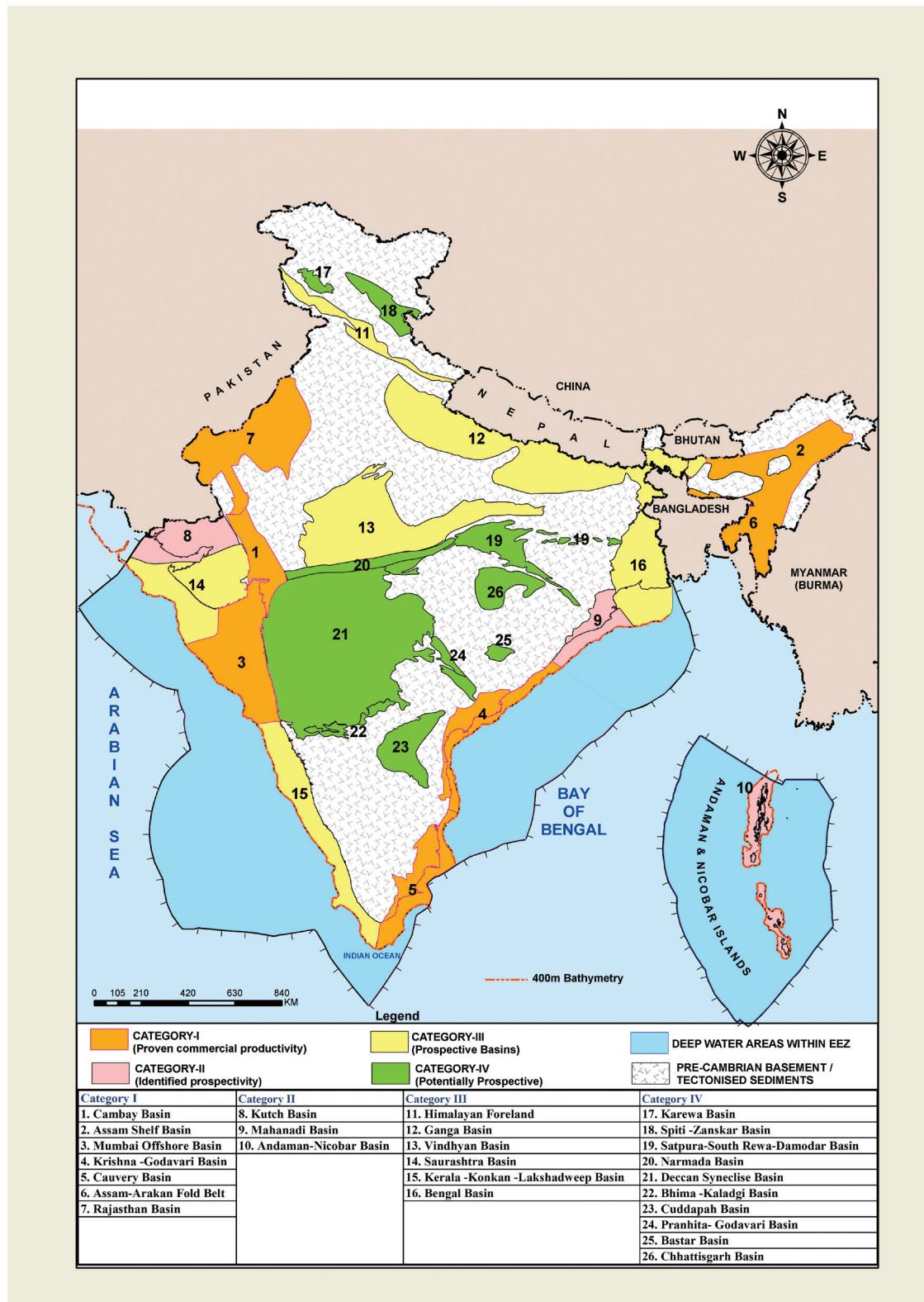
XIV. BASIN-WISE DISTRIBUTION OF DISCOVERED SMALL FIELDS

Sl. No.	Basin	Number of fields	Name of Discovered Small Fields
1	Cambay	5	Elao, South Patan, West Bechraji, Kamboi, Khambel
2	Cauvery	2	Karaikal, Neduvasal
3	Krishna Godavari	08 (Onland) + 04 (Shallow water) + 03 (Deepwater) = 15	Koravaka, Uppidi, Bhimanapalli, Palakollu, Mummidavaram, Achanta, Lankapalem & Sanarudravaram (Onland)
			GS-KV-1, GS-70, GS-59, YS-5 (Shallow water)
			GD-1, GD-7 & KD-1 (Deepwater)
4	Assam Shelf	9	Charaideo, Bihubar, Laxmijan, Barsila (4 ONGC fields)
			Sarojini, Dipling, Duarmara, Jeraipathar, Sapekhati (5 OIL fields)
5	AAFB	4	North Patharia, Patharia, Hilara (3 ONGC fields)
			Kherem (1 OIL field)
6	Rajasthan	2	Sadewala, Bakhri-Tibba
7	Kutch	2	KD, GK-39 (Shallow water)
8	Vindhyan	1	Nohta
9	Mumbai Offshore	27 (Shallow)	PER, B-7, B-9, B-127E, B-14, B-15, B-15A, B-37, B-51, B-80, B-153, B-163, B-174, B-183, BRC, CA, CD, C-37, C-43, D-12, D-18, D-31, ED-4, NMT, SD-4, SD-14, TP

1. Discovered Small Fields, on offer, distributed in nine [09] Sedimentary Basins
2. Seven Basins in Category I and rest two [02] Basins falling each in Category II & III



SEDIMENTARY BASINS OF INDIA





XV. HISTORICAL CATEGORIZATION OF TOTAL SEDIMENTARY BASINS

Category*	Basin (Up to 400m Isobath)	Basinal Area [Sq. Km.]		
		Onland	Offshore	Total
I	Cambay	51,000	2,500	53,500
	Assam Shelf	56,000	-----	56,000
	Mumbai offshore	-----	118,000	118,000
	Krishna Godavari	28,000	30,000	58,000
	Cauvery	25,000	36,000	61,000
	Assam-Arakan Fold Belt	60,000	-----	60,000
	Rajasthan	126,000	-----	126,000
SUB. TOTAL		346,000	186,500	532,500
II	Kutch	35,000	13,000	48,000
	Mahanadi-NEC	55,000	21,000	76,000
	Andaman-Nicobar	6,000	52,000	58,000
SUB. TOTAL		96,000	86,000	182,000
III	Himalayan Foreland	30,000	-----	30,000
	Ganga	186,000	-----	186,000
	Vindhyan	162,000	-----	162,000
	Saurashtra	52,000	44,000	96,000
	Kerala-Konkan-Lakshadweep	-----	94,000	94,000
	Bengal	57,000	35,000	92,000
SUB. TOTAL		487,000	173,000	660,000
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 Syneclyse	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
SUB. TOTAL		461,200	-----	461,200
TOTAL		1,390,200	445,500	1,835,700
V	DEEPWATERS			
	The Deepwater Areas bounded by Kori-Comorin Ridge, 85° E Ridge & Narcodam Island in West Coast, East Coast and in Andaman Islands respectively			1,299,000
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.



XVI. GEOLOGICAL SET-UP OF SEDIMENTARY BASINS OF OFFERED CONTRACT AREAS

1. MUMBAI BASIN

There are four sedimentary basins in the shelfal part of the Western Continental Margin viz. Kutch, Saurashtra, Mumbai and Konkan-Kerala-Laccadive. Together they occupy 0.148 million Sq. Km. up to 200 m isobath. The Mumbai offshore basin, a pericratonic rift, is located on the western continental shelf of India between Saurashtra basin in NNW and Kerela-Konkan in the south. The basin is bounded by the Deccan Trap outcrops to its north and east, Cori-Comorin ridge to its west and Vengurla arch in the south.

As such, the evolutionary history of the basins has remained relatively simple with characteristic basement controlled horst and graben features that governed subsidence and sedimentation.

Mumbai offshore basin is the most explored and also the most prolific amongst offshore basins of India. This basin holds more than 60% of the hydrocarbon reserves discovered in the country. While it occupies 45% of the western offshore basinal area (up to 200 m isobath), 86% of the estimated resource potential (9,190 MMT) is perceived to be in this basin alone i.e. almost 0.8 MMT for every Sq. Km. The basin covers an area of about 2,36,000 Sq. Km. including deep waters.

Bombay Offshore Basin has been divided into five working blocks on the basis of tectono-stratigraphic considerations. To the north Surat Depression, north-northeast is the Tapti-Daman block, a major depocentre which is contiguous with the onland Cambay Basin. In the central part from west to east are the Shelf Margin, Bombay High-Deep Continental Shelf (DCS) and Heera-Panna-Bassein blocks. Ratnagiri block lies in the southern part of the basin. The subsurface study has indicated both structural and strati-structural features for hydrocarbon entrapment like Paleogene wedges against rising flanks of paleohighs, mud mounds, carbonate build-ups, unconformity controlled traps. The basin is under production since last four decades.

The Petroleum System in Mumbai basin is Palaeocene and Early Eocene-Early Miocene. Palaeocene and Early Eocene sequences are the source rocks and Early Miocene carbonates are the reservoir rocks containing the largest volume of in-place petroleum. Seven Assessment Units have been identified within Palaeocene and Early Eocene-Early Miocene petroleum system.

Two distinct regimes of sedimentation are witnessed in Bombay Offshore Basin. Tapti-Daman block received clastic sediments while all the other blocks of the basin are characterized by carbonate sedimentation from Eocene to Middle Miocene period, with shale occurring at a few levels. Post Miocene, however, the entire basin was covered by clastic sediments. Generally, the Deccan Trap forms the floor of the basin for the deposition of overlying Tertiary sediments, except in a few areas of prominent paleo-highs like Bombay High and Heera fields etc. where the basement is granitic at places.

Thirteen [13] shallow water Contract Areas are on offer in this basin [The details are given in the respective Information Docket and in Data Package].



2. CAMBAY BASIN

Cambay Basin, a prolific hydrocarbon province, is an intra-cratonic basin located in the north – western margin of India. The basin is subdivided into five tectonic blocks from north to south, namely, Patan-Sanchor,Mehsana-Ahmedabad, Cambay-Tarapur, Jambusar-Broach and Narmada blocks. The Cambay rift, a major Onland petroliferous province, is a narrow elongated [NNW-SSE] extension basin located on the western margin of Indian Pre-Cambrian shield. This basin extends from Luni River in the north to Tapi River in the south and is about 425 km. long. This basin covers an area of about 53,500 Sq. Km. The basin came into existence in Late Cretaceous following drifting of Seychelles from India. The Deccan outpouring forms the technical basement. The Tertiary sediments record the synrift, post rift thermal subsidence and postrift thermal inversion features.

Every tectonic block produced commercial hydrocarbons. The sedimentary sequences range in age from Late Mesozoic to Cenozoic. The hydrocarbon entrapment is mainly structural with a few having strati-structural in nature. More than 90 oil & gas fields have been discovered till date. Over seven km thick Tertiary sediments have been imaged in the axial part of the basin. The Cambay shale is the main source rock sequence in the basin along with minor contributions of oil from Kalol, Tarapur and Olpad formation. Regional Cap rock is Tarapur Shale and intervening shales, Clays and Carbonaceous facies within Olpad,Older Cambay Shale, Kadi and Kalol formations also act as local cap rock. Trap is strati-structural. The Olpad, Cambay Shale, Kalol/Hazad, Tarkeshwar sands and Trap wash with thin shale / claystone intercalations, constitute reservoir rocks. The basin has indicated that Cambay Shale has the potential for Shale Oil and Shale Gas.

Two major petroleum systems have been identified in Cambay Basin. In South Cambay Basin, the petroleum system is Palaeocene-Early to Middle Eocene-Middle Eocene TST and in North Cambay Basin, it is Palaeocene-Middle Eocene TST.

Five [05] Contract Areas are on offer in this basin [The details are given in the respective Information Docket and in Data Package].

3. RAJASTHAN BASIN

Rajasthan basin lies on the north-western Indian shield and comprises of 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, separated from each other by basement ridges/faults. These basins form a part of the great Thar Desert and cover an area of about 126,000 Sq. Km. Polyphase tectonism along the north-western margin of the Indian Craton resulted in manifestation of the present day Indus Basin which has a stratigraphic and structural record spanning Late Proterozoic through Cenozoic. The Late Proterozoic, Mesozoic and Tertiary sediments constitute the basin. The Barmer-Sanchor basin, at present, is the biggest producer of hydrocarbons among Indian Onland basins. Bikaner-Nagaur and Barmer-Sanchor are essentially Palaeozoic and Tertiary basins respectively, whereas the Jaisalmer basin has a well-documented Mesozoic and Tertiary history. The discovered small fields on offer in this



basin lies in the Jaisalmer basin. The Jaisalmer basin occupies an area of about 45,000 Sq. Km.

The prognosticated hydrocarbon resources are of the order of 380 MMT. A maximum sedimentary thickness of 7 kms. has been imaged in the Jaisalmer Basin. Jurassic to Eocene sequences in the Jaisalmer Basin contains suitable source, reservoir and cap rocks.

Two (02) Contract Areas are on offer in this basin [The details are given in the respective Information Docket and in Data Package].

4. ASSAM-ARAKAN BASIN

The Assam-Arakan sedimentary Basin is a shelf-slope-basinal system. The shelf part of the basin spreads over the Brahmaputra valley and the Dhansiri valley, the latter lying between the Mikir hills and the Naga foothills. From the Digboi, the shelf runs westward to the southern slope of the Shillong plateau. The shelf-to-basinal slope, i.e., the hinge zone lies below the Naga schuppen belt. The basinal (geosynclinal) part is occupied by the Cachar, Tripura, Mizoram and Manipur fold belts. The shelf part rests on Precambrian granitic basement, whereas the basinal part lies on transitional to oceanic crust. The area within the Upper Assam shelf, having high petroleum potential, measures approximately 56000 sq. km. and contains about 7000m thick sediments of mostly Tertiary period, and the area in the basinal part with moderate to high hydrocarbon potential measures about 60,000 sq. km. and contains more than 10,000m thick sediments of mostly Tertiary period.

The Assam-Arakan basin witnessed two major phases of tectonic development. It developed as a composite shelf-slope-basinal system under a passive margin setup during the period from Early Cretaceous to the close of Oligocene. During the post-Oligocene time, however, different parts of the mega basin witnessed different evolutionary trends, mostly under compressive tectonic forces.

Assam-Arakan basin is filled with about 5000m of Tertiary sediments above Precambrian igneous and metamorphic basement. The three major tectonic elements of the basin are: the Assam Shelf, the Naga Schuppen belt and the Assam-Arakan Fold belt. The basin witnessed two major phases of development.

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, known as Assam-Arakan Fold Belt. This is a proven petroliferous basin covering about 116,000 sq.km.

All the oil and gas fields, discovered till date in the Upper Assam shelf, are situated mostly on the southeastern slope of the Brahmaputra arch, and almost all the major oil fields like Nahorkatiya, Lakwa, Lakhmani, Geleki, Dikom, Kathaloni, etc. lie in a belt bordering the Naga thrust. In the Dhansiri valley also, oil fields like the Borholla and Khoraghat and Nambar lie in the same belt. In the Naga Schuppen belt, oil accumulations in the Lakshmijan and the Champang oil fields occur in that zone of the shelf which is overridden by the Naga



thrust. In the Digboi and Kherem oil fields, oil occurs in Tipam Sandstone and Girujan Clay formations, respectively, overlying the Naga thrust. Eocene-Pliocene sequences contain potential source, reservoir and cap rocks. Around 115 oil and gas fields have been discovered in the basin. 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.

Two Total Petroleum System (TPS) have been identified in Assam shelf. These are Palaeocene to Middle Eocene-Palaeocene to Middle Eocene and Late Eocene to Oligocene-Oligocene.

Nine [09] Contract Areas in Assam Shelf [Upper Assam] and Assam-Arakan Fold Belt, are on offer [The details are given in the respective Information Docket and in Data Package].

5. VINDHYAN BASIN

The Vindhyan Basin is the largest Proterozoic sedimentary basin of India. The arcuate-shaped Vindhyan Basin as thick as 6 km sediments deposit belonging to Meso-Neoproterozoic age, is located in the central part of India. A thick sequence of shallow marine clastic and carbonate sediments are found in Vindhyan Basin. The Vindhyan Basin is bordered by the Aravalli-Delhi Orogenic belt along the Great Boundary Fault (GBF) in the west, the Narmada- Son lineament(NSL) in the south-west and the Satpura-Orogenic belt in the south-east.

The Vindhyan basin was formed as a result of large scale downwarp in the northern part of Indian platform after the Delhi orogeny. The basin is bounded by the Son-Narmada Geofracture in the south, the Great Boundary Fault in the west, the Monghyr-Saharsa Ridge in the east, and the Bundelkhand Massif and Indo-Gangetic Plains in the north. Bundelkhand Massif divides this basin into two parts – the Son Valley on the south-eastern side and the Chambal Valley. The present discovered small field, on offer, is located in the Son Valley.

The sedimentary fill in Son Valley constitutes a considerable thickness (2-6Km) of sedimentary succession, which is divisible into carbonate dominated Lower Vindhyan (Semri Group) and clastic dominated Upper Vindhyan (Kaimur, Rewa and Bhander groups) sequences, separated by a large hiatus.

The basin occupies an area of about 162,000 Sq.Km of which about 80,000 Sq. Km extends into Ganga valley in the north and northeast beneath the cover of Tertiary sequences of the Himalayan foredeep. The sediments in the basin comprises of thick sequence of sandstones, shales and limestones of Meso-NeoProterozoic to Early Palaeozoic age. The exploratory drilling in the Son Valley has established the presence of gas in the carbonates of Lower Vindhyan.



One [01] Contract Area is on offer in this basin [The details are given in the respective Information Docket and in Data Package].

6. KUTCH BASIN

The western continental shelf of India comprises of four sedimentary basins, namely Kutch Offshore, Saurashtra Offshore, Bombay Offshore and Kerala-Konkan, besides the Deep Water area along the continental margin. These offshore basins are located in a passive divergent continental margin set up. As such, the evolutionary history of these basins has remained relatively simple with characteristic basement controlled horst and graben features that experienced subsidence and sedimentation.

Kutch Offshore Basin is strategically located between the prolific petroliferous Bombay Offshore Basin in the south and south east and the significant petroliferous Sind-Indus geological province in the north. Kutch Offshore is a passive margin basin situated in the northern part of Arabian Sea as an extension of onland Kutch Basin. A thick sequence of Jurassic-Cretaceous (about 2400m) and a complete Tertiary sequence (about 700m) is separated by about 600m of Deccan Trap of Late Cretaceous age in the south-western part of Kutch peninsula adjoining offshore basin. The basin is separated from Bombay Offshore Basin by a prominent arch at the level of Eocene and Miocene sediments.

This basin covers an area of about 35,000 sq. Km. Onland and around 40,000 Sq. Km. offshore. Exploratory efforts have led to the discovery of oil and gas in the offshore part of the Kutch Basin.

The basin is contiguous to the South Indus Basin of Pakistan, where a number of oil and gas fields have already been discovered. The major tectonic elements in Kutch basin include:- [1] the Nagar Parkar fault [2] the Island Belt fault [3] the South Wagad fault [4] the Kutch Mainland fault and [5] the North Kathiawar fault.

The occurrence of hydrocarbons within Jurassic, early Cretaceous and Late Cretaceous sediments indicate existence of Mesozoic petroleum system. Within Cenozoic sediments, hydrocarbons have been discovered within Middle Eocene limestones and gas within a sandstone interval of Early Eocene. A Palaeocene – Middle Eocene petroleum system may be envisaged for Cenozoic sediments in Kutch basin. The discovered small field, on offer, is located in the shallow water area.

Two [02] Contract Areas are on offer in this basin [The details in the respective Information Docket and in Data Package].

7. KRISHNA-GODAVARI BASIN

Krishna-Godavari basin, situated along the East Coast of Indian peninsula comprises of wide array of sedimentary facies from Early Permian to Recent. The basin, mainly fed by the two major river systems, viz., Godavari and Krishna, spreads over an area of 28,000 sq. km. in onland and 1,45,000 sq. km. in offshore. The sediment thickness of the basin measures in excess of 7.0 Km. Broad tectonic expression of the basin comprises linear horst-graben system, growth fault / rollover and block tilting followed by toe thrusts, thus exhibiting a manifestation of a typical evolution from rift basin to passive margin basin.



Four stages of tectonic-stratigraphic evolution represented by four major tectonic-stratigraphic units have been recognized in the basin. These are: early rift, rift, early thermal subsidence, and late thermal subsidence stages.

The grabens were filled with thick Middle Jurassic to Early Cretaceous Clastics (Fig.4). Rifting ceased and widespread Late Cretaceous clastics buried the ‘horst and graben’ topography. The onset of passive margin progradation towards the south-east commenced during the Late Cretaceous, and paleo-shelf breaks have been recognized in the subsurface. During the late Cretaceous to earliest Palaeocene, the Indian sub-plate was tilted down towards the south-east. This event was caused by the uplift of north-western India as it drifted northwards over the Deccan “hot spot.”

The basin occupies deltaic and inter-deltaic area of Krishna and Godavari rivers and extends into the deep offshore. The stretch of sedimentary tract consists of a vast range of geological settings, such as coastal basin, delta, growth fault/rollover, shelf slope apron, deep sea channel and deep water fan complexes.

Hydrocarbon accumulations have so far been found in anticlines, fault closures, stratigraphic traps and at a few places in combination traps within sandstone reservoirs.

Cretaceous and Palaeocene sandstones exhibit good reservoir rock characteristics with accumulation of gas and oil in a few pools in onland areas. Eocene section is represented by sand-shale alternations and carbonates. The sandstones have fairly good reservoir characteristics containing oil and gas in a few fields. Miocene sequence is sand rich in Krishna offshore while Pliocene is dominantly argillaceous clastics intervened by packs of sand and clay stone alternations.

A number of hydrocarbon plays have been recognized in the offshore part of this basin. Hydrocarbon accumulations in Paleogene are mainly controlled by anticlinal and fault closures and up dip pinch-outs. Hydrocarbon plays in Neogene sediments are known to be present in the form of well-developed faulted rollover anticlines and tilted blocks in the onland areas.

In offshore areas the entrapment styles consist of tilted fault blocks with lateral seal provided by shale juxtaposition and capped by Godavari Clay, sub-unconformity traps capped by Godavari Clay, well developed rollover anticlines, fault closures and stratigraphic traps viz. channel / fan complexes and turbidites

The Pliocene sequence being a dominantly shale / clay stone section, with the sandstone reservoirs developed within, both local and regional cap rocks are available. The main trap types envisaged are fan complexes and toe thrust associated anticlinal structural features. In the main synformal areas, channel related sand bodies and other stratigraphic plays are identified. Thrust back ponded basin fills in purely stratigraphic to strati-structural situations within Pliocene are likely locales for entrapment. The sedimentary sequences range in age from Permian to Cenozoic. The hydrocarbon entrapment is mainly structural in the Onland part and mostly stratigraphic in the offshore areas both in shallow and deep.



Twelve [12] Contract Areas, seven [07] in Onland, three [03] in Shallow water and two [02] in deep water are on offer in this basin [The details in the respective Information Docket and in Data Package].

8. CAUVERY BASIN

The Cauvery basin, a pericratonic rift, is located in the East coast of India. This basin extends from Pondicherry in the North to Tuticorin in the South, stretching into offshore Bay of Bengal. Cauvery basin was evolved as a result of rift-drift phenomenon of Indian plate from Gondwana land during Late Jurassic-Early Cretaceous with taphrogenic fragmentation of Archean Basement which resulted in the development of faults has divided the basin in to horsts and grabens/half grabens. As the Indian craton drifted apart from Gondwana land, marine incursion took place into Cauvery Basin during different periods through Ariyalur-Pondicherry sub-basin in the north, Tranquebar sub-basin in the middle part and through Ramnad sub-basin in the south. Probably marine incursion was limited into Tanjore sub-basin due to a small inlet between Kumbakonam and Pattukkottai ridges. The Cauvery Basin, including the Mannar Sub-basin, covers an area of 55,000 sq.km comprising Onland (25,000 sq. km) and shallow offshore areas (30,000 sq.. km). In addition, there is about 95,000 sq. km of deep-water offshore areas in this basin.

The initial rifting caused the formation of NE-SW horst-graben features. Subsequent drifting and rotation caused the development of NW-SE cross faults. The basin is divided into a number of sub-parallel horsts and grabens, trending in a general NE-SW direction. The encountered sediments range in age from Oxfordian (Late Jurassic) to Recent. The hydrocarbon entrapment is structural with a few having strati-structural in nature. The Sattapadi shale of Cretaceous forms main source rock. The reservoir rocks constitute sands within Andimadam, Bhuvanagiri & Nannilam Formations.

Two [02] Contract Areas are on offer in this basin [The details are given in the respective Information Docket and in Data Package].



XVII. ADDITIONAL TECHNICAL DETAILS OF THE DISCOVERED SMALL FIELDS/ CONTRACT AREAS ON OFFER:

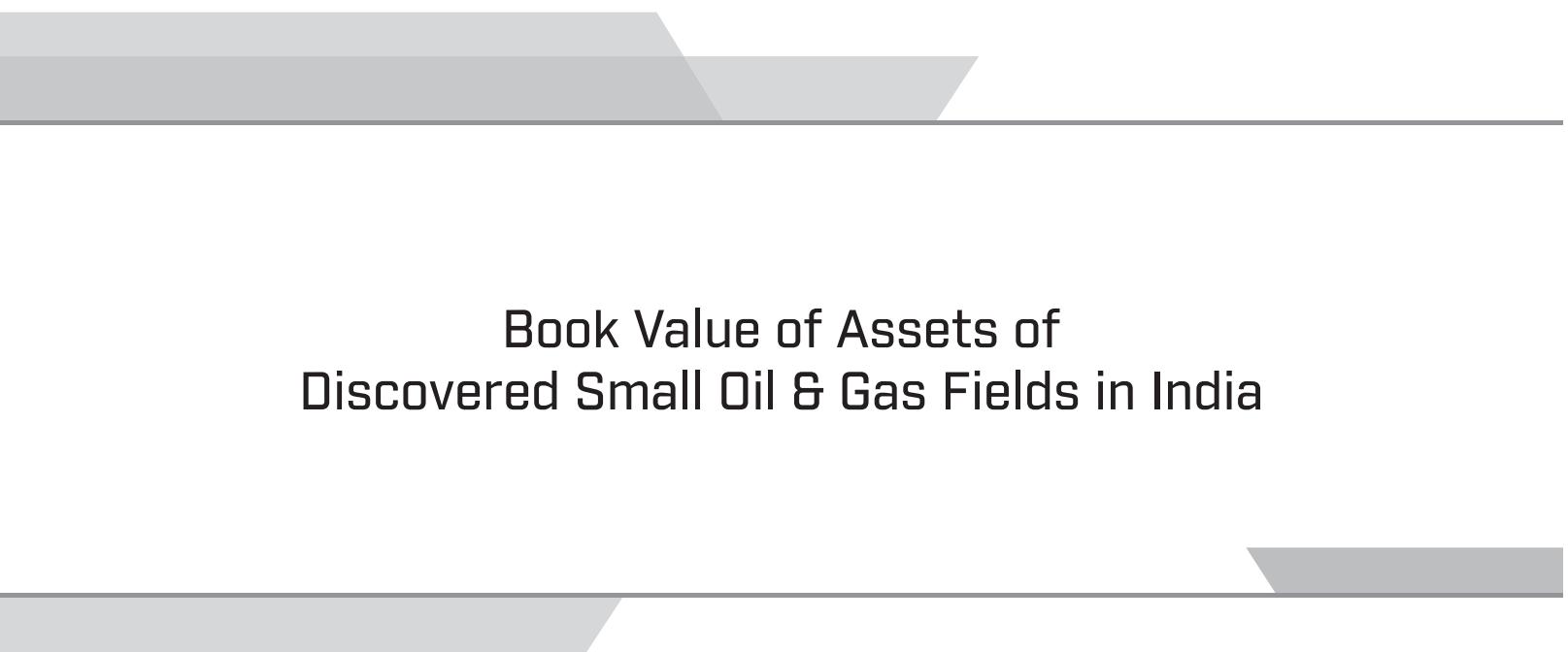
Sl. No.	Basin	Field	Contract Area Name	Year of Discovery	Type of Discovery	2D LKM	3D SKM	Drilled Wells
1	AAFB	HILARA	HILARA-DSF-2016	1988-89	Oil+Gas	23.5	9.6	4
2	ASSAM SHELF	LAXMIJAN		1985-86	Oil+Gas	18.68	8.9	3
	ASSAM SHELF	BIHUBAR		1985-86	Oil+Gas			5
3	AAFB	NORTH PATHARIA	PATHARIA Cluster- DSF-2016	2011-12	Gas	30.73	19.15	3
	AAFB	PATHARIA		1994-95	Gas			
4	ASSAM SHELF	BARSILLA	BARSILLA- DSF-2016	1982-83	Oil+Gas	0	3.88	3
5	ASSAM SHELF	CHARAIDEO	CHARAIDEO- DSF-2016	1981-82	Oil+Gas	43.31	11.4	3
6	MUMBAI OFFSHORE	CA	CA Cluster- DSF-2016	1986-87	Oil+Gas	103.8	47.5	4
		SD-14		1989-90	Gas			2
		SD-4		1988-89	Oil+Gas	43.6	NIL	2
		TP		1999-00	Gas	41	25	1
		CD		1986-87	Oil+Gas	23.9	18.1	2
		ED-4		2000-01	Oil	37.9	28.6	1
7		B-37	B37 Cluster- DSF-2016	1977-78	Oil+Gas	30.5	31	2
		B-51		1978-79	Gas	16.8	21.6	1
		B-174		1985-86	Gas	30.7	46.5	4
		B-183		1990-91	Gas	3.8	12	1
8		B-7	B9 Cluster- DSF-2016	2008-09	Gas	45.7	22.5	2
		BRG		2000-01	Oil	45.4	22	1
		B-9		2005-06	Gas	103.5	121.9	3
9		C-37	C37 Cluster- DSF-2016	1994-95	Gas	11.48	25	1
		C-43		1995-96	Gas	10.4	22.8	1
10		D-12	D31 Cluster- DSF-2016	1981-82	Gas	105.4	51.8	1
		D-31		2000-01	Oil+Gas	89.85	52.6	2
11		B-15	B15 Cluster- DSF-2016	1994-95	Oil+Gas	13.9	19.9	4
		B-15A		1995-96	Oil+Gas	13.6	19.6	1



Sl. No.	Basin	Field	Contract Area Name	Year of Discovery	Type of Discovery	2D LKM	3D SKM	Drilled Wells
12	OFFSHORE	B-127E	B127E Cluster-DSF-2016	2011-12	Oil+Gas	NIL	16.2	1
		B-153		1994-95	Oil+Gas	5.8	20	1
13		B-14	B14-DSF-2016	2000-01	Gas	NIL	22.2	2
14		B-163	B163-DSF-2016	1990-91	Gas	23.9	10.4	1
15		PER	PER-DSF-2016	2010-11	Oil+Gas	0	32.9	1
16		B-80	B80-DSF-2016	1987-88	Oil+Gas	23.7	52.3	5
17		NMT	NMT-DSF-2016	2003-04	Gas	32.5	32.1	3
18		D-18	D18-DSF-2016	1985-86	Oil+Gas	242.4	97.4	8
19	KUTCH	GK-39	GK39-DSF-2016	2000-01	Gas	51.9	22.2	1
20		KD	KD-DSF-2016	1984-85	Oil+Gas	63.9	43	2
21	CAMBAY	ELAO	ELAO-DSF-2016	1988-89	Gas	14.41	6.2	1
22		SOUTH PATAN	SOUTH PATAN-DSF-2016	1989-90	Oil+Gas	37.8	9.86	2
23		KHAMBEL	KHAMBEL-DSF-2016	1992-93	Oil+Gas	33.11	0	1
24		KAMBOI	KAMBOI-DSF-2016	1995-96	Oil+Gas	13.2	0	1
25		WEST BECHRAJI	WEST BECHRAJI-DSF-2016	1989-90	Oil+Gas	50.07	0	2
26	CAUVERY	NEDUVASAL	NEDUVASAL-DSF-2016	2008-09	Oil+Gas	22.4	10.05	2
27		KARAikal	KARAikal-DSF-2016	1977-78	Oil	33.8	10.31	3
28	KRISHNA-GODAVARI (ONLAND)	PALAKOLLU	PALAKOLLU-DSF-2016	1986-87	Gas	22.05	9.18	2
29		ACHANTA	ACHANTA-DSF-2016	1993-94	Gas	20.07	9.4	1
30		LANKAPALEM	LANKAPALEM-DSF-2016	1995-96	Gas	16.35	9.6	1
31		UPPIDI	BHIMANAPALLI Cluster-DSF-2016	2007-08	Gas	22.24	15.12	1
		BHIMANAPALLI		1983-84	Gas			1
32		MUMMIDIVARAM	MUMMIDIVARAM-DSF-2016	1992-93	Gas	5.88	9.72	1
33		KORAVAKA	KORAVAKA-DSF-2016	2012-13	Oil+Gas	42.18	9.6	1
34		SANARUDRAVARAM	SANARUDRAVARAM-DSF-2016	2001-02	Gas	4.4	9.36	1



Sl. No.	Basin	Field	Contract Area Name	Year of Discovery	Type of Discovery	2D LKM	3D SKM	Drilled Wells
35	KRISHNA-GODAVARI (OFFSHORE)	GS-KV-1	GSKV1 Cluster-DSF-2016	2010-11	Gas	42.3	24.18	1
		GS-59		2008-09	Oil+Gas			1
36	KRISHNA-GODAVARI (OFFSHORE)	YS-5	YS5-DSF-2016	2008-09	Gas	24.28	26.5	1
37		GS-70	GS70-DSF-2016	2011-12	Oil+Gas	0.45	4.39	1
38	KRISHNA-GODAVARI (OFFSHORE-DW)	GD-7	GD7 Cluster-DSF-2016	2010-11	Gas	20.99	18	1
		GD-1		2001-02	Gas	58	22	3
39		KD-1	KD1-DSF-2016	2000-01	Gas	56.9	60	1
40	RAJASTHAN	BAKHRI TIBBA	BAKHRI TIBBA-DSF-2016	1990-91	Gas	39.44	0	4
41		SADEWALA	SADEWALA-DSF-2016	1996-97	Gas	13.14	10.28	1
42	VINDHYAN BASIN	NOHTA	NOHTA-DSF-2016	2011-12	Gas	12.6	15	2
43	AAFB	KHEREM	KHEREM-DSF-2016	1994	Oil+Gas	21.2	10.13	3
44	ASSAM SHELF	DIPLING	DIPLING Cluster-DSF-2016	1985	Oil+Gas	9.1	10	1
	ASSAM SHELF	SAROJINI		1990	Oil+Gas	12.14	8.8	3
	ASSAM SHELF	SAPEKHATI		1998	Oil+Gas	24.41	9.28	1
45	ASSAM SHELF	DUARMARA	DUARMARA-DSF-2016	1970	Oil+Gas	15.74	8.9	3
46	ASSAM SHELF	JERAIPATHAR	JERAIPATHAR-DSF-2016	1997	Oil	21.59	10	1

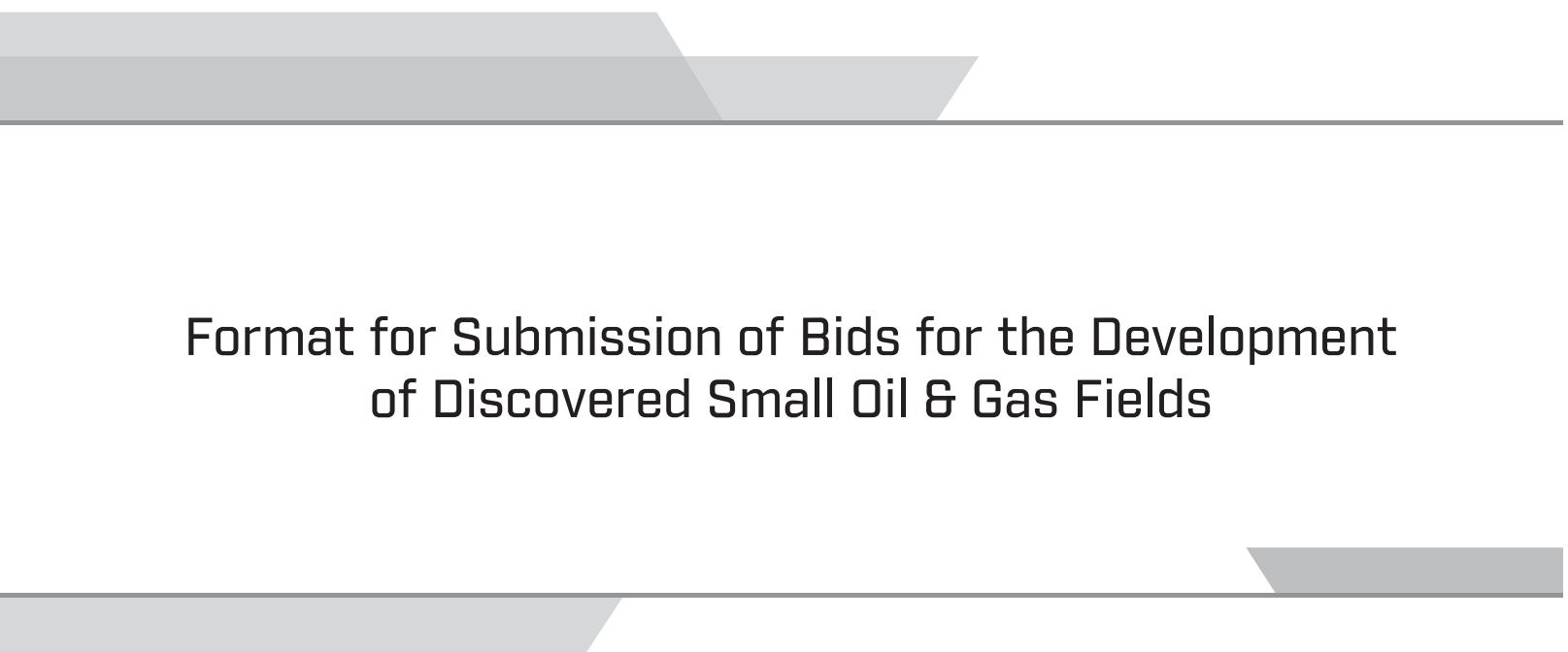


Book Value of Assets of Discovered Small Oil & Gas Fields in India



BOOK VALUE OF DISCOVERED SMALL FIELDS OF “ONGC & OIL”

Book Value, if any, will be intimated before the date of start of Bid Submission, i.e 15th July, 2016.



Format for Submission of Bids for the Development of Discovered Small Oil & Gas Fields



FORMAT FOR SUBMISSION OF BIDS FOR THE DEVELOPMENT OF DISCOVERED SMALL OIL & GAS FIELDS IN INDIA - 2016

Please read this Bid Format along with the contract terms in brochure "Notice Inviting Offers for Development of Discovered Small Fields in India-2016", Bid Evaluation Criteria provided in NIO as well as the "Model Revenue Sharing Contract (MRSC)" 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 "Notice Inviting Offers for Development of Discovered Small Fields in India-2016" 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 Contract Area, 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		

B. OPERATORSHIP:

SL. NO.	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 CONTRACT AREA BID FOR: [To be taken from the brochure of Notice Inviting Offers, Information Docket and Data Package]

CONTRACT AREA NAME AS PER NIO	MAP REFERENCE NO. OF CONTRACT AREA AS PER NIO	APPROX. AREA OF THE CONTRACT AREA [Sq. Kms.]	GEOGRAPHIC CO-ORDINATES OF THE CONTRACT AREA AS IN THE DATA PACKAGE / FIELD INFORMATION DOCKET

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]	Name and address of Chairman of Board of Directors	
[f]	The name and address of the Chief Executive	
[g]	The name and address of shareholders holding more than 10% of company's stock	
[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's 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]*	The company should submit its annual report including the audited balance sheets and profit & loss statements along with 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 auditors for the latest completed year. In case of parent company guarantee, this information of parent company should also be provided	
[m]	Number of total corporate employees of the company	
[n]	Number of employees engaged in Technical and Administrative activities	
[o]*	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	
[p]	Details of any anticipated material events, risks, activities or plans which will have significant impact either positively or negatively on the bidder's ability to perform its obligations in India under the contract	
[q]	Has the bidder earlier worked in India? If yes, provide details	
[r]	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	YES / NO

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



IV. 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 given format (Appendix-I).

V. WHETHER BIDDER CONFIRMS TO CARRY OUT BIDDABLE DEVELOPMENT/APPRaisal WORK PROGRAM WITHIN THE PERIOD SPECIFIED IN THE NIO: YES/NO

VI. ECONOMIC LIFE OF THE CONTRACT AREA AS PER THE DEVELOPMENT PLAN YEARS

VII. BIDDABLE WORK PROGRAM

The biddable work program is to be given below by the company:

Sl. No.	Name of Contract Area	Type of Work	Physical Quantity	Estimated Expenditure [in US\$]
1		Appraisal Wells / Development Wells		
Total				

The estimated expenditure will be required only for evaluation of adequacy of Net worth. Although there would be no minimum expenditure obligation in the Contract, a realistic estimate of the expenditure required to complete the Biddable Work Program should be indicated. In case, the Government has reason to believe that a Company has given low and unrealistic cost estimate for the Biddable Work Programme commitment, the Government may use its own Cost Estimates for the Biddable Work Program commitment of the Company and Net-worth qualifying criteria may be evaluated by the Government on this basis.



VIII. BIDDABLE SHARE OF GOVERNMENT REVENUE:

Sharing of Revenue with Government of India offered at various revenue levels:

Government share of Revenue:

Name of Contract Area	Revenue	Percentage Share of Revenue offered to Government of India
	Less than or equal to LRP (US \$ 0.0100 million per day)	
	Equal to or more than HRP (US \$ 1.0000 million per day)	

The percentage share of Revenue offered by the bidder to Government of India should be non zero positive whole numbers, such that the percentage share of revenue offered at Higher Revenue Point (HRP) is more than that offered at the Lower Revenue Point (LRP). Bids not fulfilling these requirements will not be accepted.

IX. INFORMATION OF FINANCIAL CAPABILITY

- i. The bidder is required to have adequate net-worth. The net worth of the bidding company(s) should be equal or more than its Participating Interest value of the Biddable Work Program commitment.
- ii. The bidder, in respect of each of the bidding company is required to submit 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. 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.
- iii. In case a bidding company either bidding alone or as a consortium happens to be the best ranked bidder for two or more Contract Areas, the net-worth of the company shall be required to be equal to or more than its participating interest in the value of Biddable Work Program commitment for all such Contract Areas. In case, the company's net-worth is less than its participating interest in the value of Biddable Work Program commitment for such Contract Areas, the bids will be considered in order of priority given by that company(s) in its/their bids for respective Contract Areas.



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:

Sl. No.	Sub-criteria	Amount * [US \$ MM]
[a]	Paid-up capital	
[b]	Reserve and surplus	
[c]	Misc. expenditure to the extent not written off	
[d]	Net-worth = [a] + [b] - [c]	

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

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

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

NAME OF CONTRACT AREA [As per NIO]	MAP REFERENCE NO. OF CONTRACT AREA [As per NIO]	PRIORITY RANKING
		1
		2
		...
		N

XI. 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 BHAWAN, NEW DELHI" FOR AN AMOUNT SPECIFIED IN PARA 4 OF OTHER TERMS AND CONDITIONS IN NIO.



XII. DOCUMENTS TO BE SUBMITTED ALONG WITH THE BID

(Details regarding submission will be available at E-bidding portal, www.mstcecommerce.com)

1. A bid bond for each of the Contract Area bid
 2. Proof of payment of tender fees by way of purchase of Field Information Docket in terms of NIO and Price List.
 3. Letter of presentation and commitment from the bidding company, and/or from parent company, wherever applicable.
 4. Certificate from statutory auditor of the bidding company regarding Net-worth.
 5. Documents evidencing the legal existence of the bidding company (including Article of Association and Memorandum and certificate of incorporation/registration).
 6. Audited annual reports, balance sheets and profit & loss statements in English language along with the schedule of notes forming part of balance sheet for the latest completed year.
 7. Ample and sufficient power-of-attorney granted to a legal representative/authorised representative of company or leader of consortium.
 8. Consortium or association agreement, wherever applicable.
 9. Document whereby the parent company knows and endorses the bid and the contractual obligations of its affiliate or subsidiary, wherever applicable.
 10. Field Development Plan including in-place reserves, ultimate reserves, production profile, development wells, production facility, additional appraisal to be undertaken, etc. along with the bid.
- Biddable Work Program implementation plan offered for development period.



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-I.

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

1	2	3	4	
Sl. No.	Full Name of Board of Directors/ News Editor	Date of Birth	Parentage	

(ii) For Companies / Firms

1	2	3	4	5	6	
Sl. 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 and Permanent address including address of Head Office, Regional Offices and Registered Office	Link with other firm	Activities and other Business owned	



Annexure-I

	5 Complete address & Permanent address	6 Nationality	7 Passport Nos. and Issue date, if any	8 Contact address & Telephone number, if any

	7 Name of CEO/ Partners (with details)	8 Shareholding pattern for Applicant Company and Investing company	9 Details of earlier approvals, if any, [Ref. No. & Date]	10 Ultimate Ownership of shareholding companies and the investing company along with detailed particulars of owners	11 Presence of investing companies and shareholders in countries across the world, including collaborations with other foreign companies



**Price List for Information Dockets,
Data Packages, etc. of
Discovered Small Oil & Gas Fields in India**



1. 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 Field Information Docket of the Contract Area to be bid on or before bid closing date.

Applicability of Service Tax

- i) Service Tax is not applicable for Tender Fees as indicated in Point 1 above
- ii) For purchase of Digital sets of Data package and Basin Information Dockets (refer SI No 2 83 of Price List), Service Tax will be charged, if applicable.

2. MODE OF PAYMENT

A. Payment for Field Information Dockets:

Bidders are required to purchase Field Information Dockets as a Tender fee for which bidders are required to make payment through online gateway available at e-bidding portal www.mstcecommerce.com. Details of the Payee's A/c is as below:

BENFICIARY ADDRESS: MSTC LIMITED, 607-608, RAHEJA CENTRE, NARIMAN POINT,
MUMBAI-400 021

ACCOUNT NAME: MSTC LTD.

ACCOUNT No.: 4048 2021 000 0002

BRANCH NAME & ADDRESS: BANK OF INDIA, MID CORPORATE BRANCH, KOLKATA-01

IFSC: BKID 000 4044, SWIFT: BKID IN BBCOS

INTERMEDIARY BANK & ADDRESS: BANK OF INDIA, NEW YORK BRANCH

INTERMEDIARY BANK SWIFT: BKID US33

B. Payment for Data Packages, Basin Information Dockets & Data viewing facility:

The Bidding Company shall pay the required amount towards purchase of Data Package, Basin Information Dockets & Data viewing facility by crossed A/c Payee's Bank Draft / Banker's Cheque drawn in favour of Directorate General of Hydrocarbons payable at New Delhi or Telegraphic Transfer through:

STANDARD CHARTERED BANK, NEW YORK, USA

SWIFT: SCBLUS33

CHIPS ABA: 0256

FED ABA: 026002561

A/C No.: 3582023216001 OF STATE BANK OF PATTIALA

FOR FURTHER CREDIT TO

A/C No.: 65191280245

OF DIRECTORATE GENERAL OF HYDROCARBONS

AT SHASTRI BHAWAN, NEW DELHI (INDIA) BRANCH

SWIFT No.: STBPINBB011

FOR RTGS STBP IFS CODE IS STBP0000203



- The Foreign Bidding company is required to pay the amount in US\$ only as indicated in the price list.
- The Indian Bidding company may pay in Indian Rupees, by converting US\$ at the Reference Rate of RBI prevailing on date for Field Information Docket/Data Package / Basin Information Docket purchase/Data Viewing etc.
- The consortium comprising 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 Field and Basin Information Dockets and Data Packages, etc. and for any further details may contact:

Directorate General of Hydrocarbons

(Under Ministry of Petroleum & Natural Gas),

OIDB Bhawan, Plot No 2, Sector 73, Noida-201301,

Uttar Pradesh, India

Phone : 0120-2472000

Fax : 0120-2472049

E-mail : dsf.bidding@dghindia.gov.in

Website : <http://www.dghindia.gov.in>, <http://www.petroleum.nic.in>

<http://www.indiadsf.com>, <http://www.mstcecommerce.com>



PRICE LIST

1. FIELD INFORMATION DOCKET

- a. All Onland Contract Areas : US\$ 1000 (For all 26 Contract Areas)
- b. All Offshore Contract Areas : US\$ 1000 (For all 20 Contract Areas)

2. DIGITAL SETS OF DATA PACKAGE

- a. Fields in Cluster (Offshore/Onland) : US\$ 10,000 per Cluster
- b. Individual Field (Offshore/Onland) : US\$ 5,000 per Field

3. BASIN INFORMATION DOCKET : US\$ 1000 per Basin

4. APPLICABLE DISCOUNT FACTOR

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

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

DATA VIEWING FACILITY

Physical data rooms with interpretation facility for Discovered Small Field data will be available at following locations:-

- a. Noida, Uttar Pradesh [India]
- b. London [UK]
- c. Calgary [Canada]
- d. Perth [Australia]

Sl. No.	Time Schedule	Charges
1	First 2 days	No charges
2	Third day	US\$ 250 or equivalent INR.
3	Fourth day	US\$ 500 or equivalent INR.
4	Fifth 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.
- Field Information Dockets, Basin Information dockets and Data Packages will be put up for viewing in the data rooms.
- 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/ consortium can view selected data online on web only on authorization by DGH. For further details, visit the web site <http://www.indiadsf.com>.





Ministry of Petroleum & Natural Gas
Government of India