



## Conquering Newer Horizons

**Gabon Project, La Sablière, Immeuble FIDJI, (près de l'ancienne Cour Constitutionnelle)  
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## CORRIGENDUM-1

This Corrigendum to EOI No. **EOI/OIL/GABON/CEMENTING & LINER HANGER/08/2019** for Hiring Cementing and Liner Hanger services including supply of all equipments, manpower, materials and consumables for OIL INDIA LTD, Gabon Project is issued to extend the submission date & Time of the EOI up to **14.03.2019**[14.00 Hrs (GST)].

All other Terms and Conditions of the EOI Document remain unchanged.

All corrigenda, addenda, amendments, time extension, clarifications etc to the EOI will be hosted on OIL's website ([www.oil-india.com](http://www.oil-india.com)) only and no separate notification shall be issued in the press. Prospective bidders are requested to regularly visit the website to keep themselves updated.

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ऑयल इंडिया लिमिटेड  
(भारत सरकार का उद्यम)  
**Oil India Limited**  
(A Government of India Enterprise)

*Conquering Newer Horizons*

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## **EXPRESSION OF INTEREST (EOI)**

**EOI/OIL/GABON /CEMENTING & LINER HANGER/08/2019 DATED 28.01.2019**

**FOR**

**HIRING OF CEMENTING AND LINER HANGER SERVICES INCLUDING SUPPLY OF ALL EQUIPMENTS,  
MANPOWER, MATERIALS AND CONSUMABLES**

Oil India Limited (OIL) along with its partner Indian Oil Corporation Limited (IOCL) invites Expression of Interest (EOI) from reputed and established E&P Service Providers/Vendors/Contractors meeting the pre-qualification criteria as mentioned below for empanelment/short listing and issue of tender documents for **“hiring of Cementing and Liner Hanger services including supply of all equipments, manpower, materials and consumables”** in connection with exploratory drilling campaign(Phase-II) for two wells with a provision of extension for another one well in Block Shakthi-II (G4-245) in Gabon.

The Block Shakthi-II (G4-245) was awarded to a consortium of M/s Oil India Limited (OIL) & M/s Indian Oil Corporation Limited (IOCL), both Government of India Company under the administrative control of Ministry of Petroleum and Natural Gas, where OIL is operator, plan to drill two exploratory drilling wells of TD: 2570 m & 1950 m in the on-land exploratory Block Shakthi-II, located within interior sub-basin Gabon, under administrative guidelines of Gabon's Direction Generale des Hydrocarbures(DGH). Block Shakthi-II with total surface area of 3761.25 SQ.KM. This block has rivers, lakes, marshy land, national parks and undulating surface. A national highway N-1 is passing through this block is a life line for this area as most of villages, small town fall along this route. This block is covered by forest with thick vegetation.

### **2.0 LOCATION OF THE AREA:**

OIL, the operator, plan to drill two vertical exploratory wells in Loc. C & Loc. LE in the on-land exploration Block Shakthi-II(G4-245). The distance between the two locations is approximately 25 Km by road.

- The wells to be drilled are approximately 190 km & 175 km away by road from Libreville, Gabon. for Loc. C & Loc. LE respectively and are approximately 95 km & 80 km respectively by road from Lambarene towards Libreville.
- The nearest major airport to the location is Libreville (about 190 kilometres away); with seaports at Libreville & Port Gentil and River Port at Lambarene.
- Drilling is to be started tentatively by July/August 2019.
- The wells are located within the Interior Sub-basin and are in forest area.

- The TD of the wells are Loc. C=2570 m & Loc. LE=1950 m.
- Wells are expected to be normally pressured and the bottom hole temperature is estimated to be 88 Deg C at 2570 metre in Loc. C and 76 Deg C at 1950 metre in Loc. LE.
- Target formations are the N'Dombo and M'Vone.
- The Sub-surface pressure at the reservoir is expected to be nearly hydrostatic.
- Mud loss is not ruled out in the unconsolidated shallower formations.

### 3.0 GENERALIZED STRATIGRAPHY / LITHOLOGY OF BLOCK SHAKTHI-II:

Table-1: General Stratigraphy/Lithology of Shakthi Block

|                  | Age                                  | Group             | Formation      | Thickness(m)             | Lithology                                                                 |
|------------------|--------------------------------------|-------------------|----------------|--------------------------|---------------------------------------------------------------------------|
| Cretaceous       | Albian                               |                   | Madiela+Ezanga | 100                      | Sand with carbonate                                                       |
|                  | Aptian                               | Ezanga            |                | 100                      | High proportion of soluble salt                                           |
|                  |                                      | N'zemeasso        | Coniquet Sst   | 130-150                  | Shale                                                                     |
|                  |                                      |                   |                |                          | Sandstone                                                                 |
|                  |                                      |                   |                |                          | Cross bedded Sst                                                          |
|                  | Alternating shale & cross bedded Sst |                   |                |                          |                                                                           |
|                  | N'Toum                               | Bikele Sst        | 150-200        | Black color schist/shale |                                                                           |
|                  |                                      | Berriasian        |                | Benguin Sh               | 100                                                                       |
|                  | Schistese Sh                         |                   |                |                          |                                                                           |
|                  | Bifoun Sh                            |                   |                |                          |                                                                           |
|                  | Schistese Bruns                      |                   |                |                          |                                                                           |
| Foroue Plage Sst | 83-365                               | Sandstone & shale |                |                          |                                                                           |
| Hauterivian      | Kango                                | Bikoume Sh        | 400            | Bluish Shale             |                                                                           |
| Valanginian      |                                      | Bokou Sh          | 400-500        | Bluish Shale             |                                                                           |
| Berriasian       |                                      | Kekele Sst        | 50-100         | Sst transition           |                                                                           |
| Jurassic         |                                      | N'Dombo           | N'Dombo Sst    | 125-200                  | Conglomerate at bottom and cross bedded coarse to medium gr Sst at top    |
|                  |                                      | M'Vone            | M'Vone Sh/Sst  | 100-200                  | Fluvial Sst (40-100) at bottom covered by violet coloured claystone.      |
| Permian          |                                      | Agola             | Agoula         | 200-300                  | Glacial conglomerate bituminous schists carbonate, red claystone and Sst. |
| Late Precambrian |                                      | Noya              | Noya           | 300-2000                 | Complex sediments, glacial Sst, shale & reddish fluvial-lacust Sst        |
| Precambrian      |                                      |                   |                | Basement                 |                                                                           |

### 3.1 EXPECTED FORMATION TOPS OF THE LOCATIONS:

(A) Expected Formation Tops of the Loc. C are presented in the table below:

Ground Level Elevation above Sea level =28.65 m

Drill floor elevation above sea level = 37.65 m.

Considering Drill Floor Elevation above Ground Level= 9.0 m

**Table-2: Formation Tops of Loc. C**

| Formation     | TVDSS (m) | TVD (m BDF) |
|---------------|-----------|-------------|
| Madiela/Como  | -28.65    | 9           |
| Benguie       | 308       | 345         |
| Bifoun        | 520       | 560         |
| Forou Plage * | 1155      | 1195        |
| Bikoume       | 1170      | 1210        |
| Bokue         | 1720      | 1760        |
| N'Dombo**     | 2350      | 2390        |
| TD            | 2530      | 2570        |

Note: \*\*Primary Target; \*Secondary Target

(B) Expected Formation Tops of Loc. LE (Lassa East-1) are presented in the table below:

Ground Level Elevation above Sea level =37.07 m

Drill floor elevation above sea level = 46.07 m.

Considering Drill Floor Elevation above Ground Level= 9.0 m

**Table-3: Formation Tops of Loc. LE**

| Formation          | Depth (m) TVDSS | Depth (m) TVDBDF |
|--------------------|-----------------|------------------|
| Bifoun             | -37.07          | 9.0              |
| Forou Plage *      | 225             | 270              |
| Bikoume            | 266             | 310              |
| Bokue              | 730             | 775              |
| N'Dombo**          | 1250            | 1295             |
| M'Vone*            | 1440            | 1485             |
| Agoula             | 1610            | 1655             |
| Base Agoula        | 1880            | 1925             |
| <b>Total Depth</b> | <b>1900</b>     | <b>1950</b>      |

Note: \*\*Primary Target; \*Secondary Target

### 3.2 CASING/LINER, CEMENTING & MUD POLICY: In brief the casing, cementing & mud policy of the two wells to be drilled are as below:

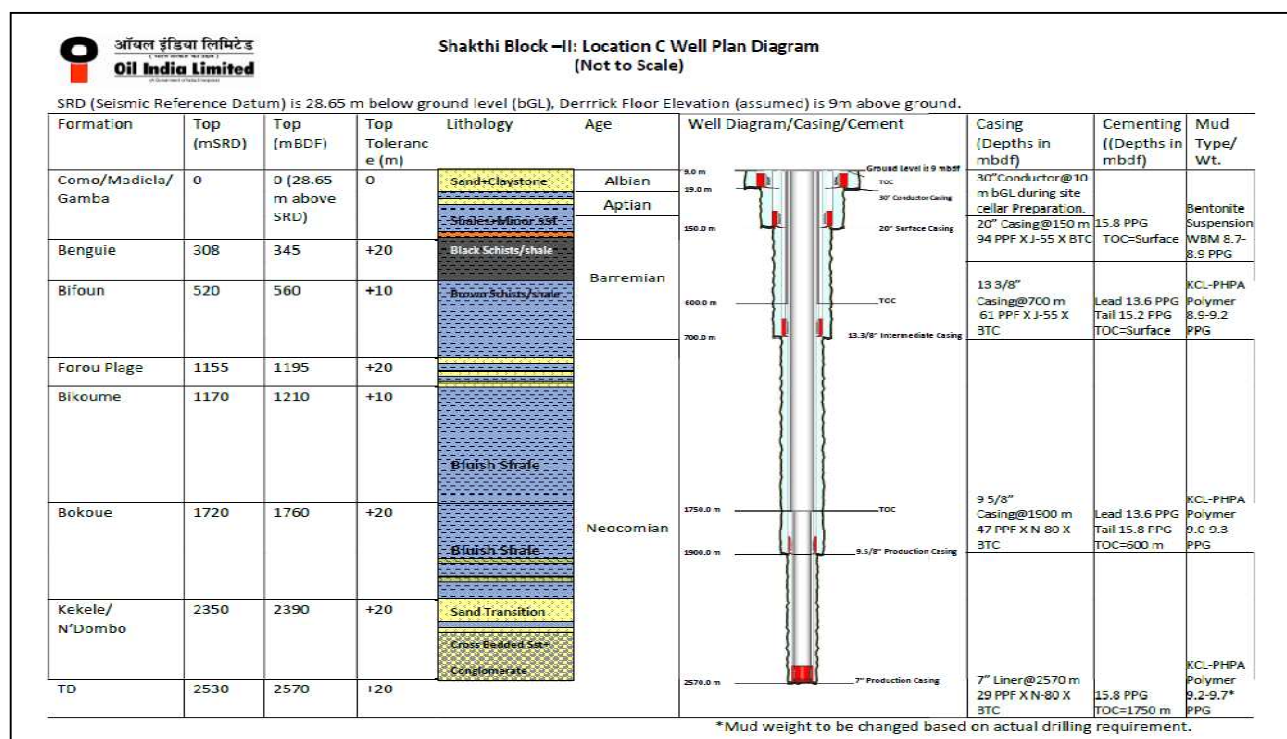


Figure-1: Casing, Cementing & Policy of Loc. C (4 Stage Completion)

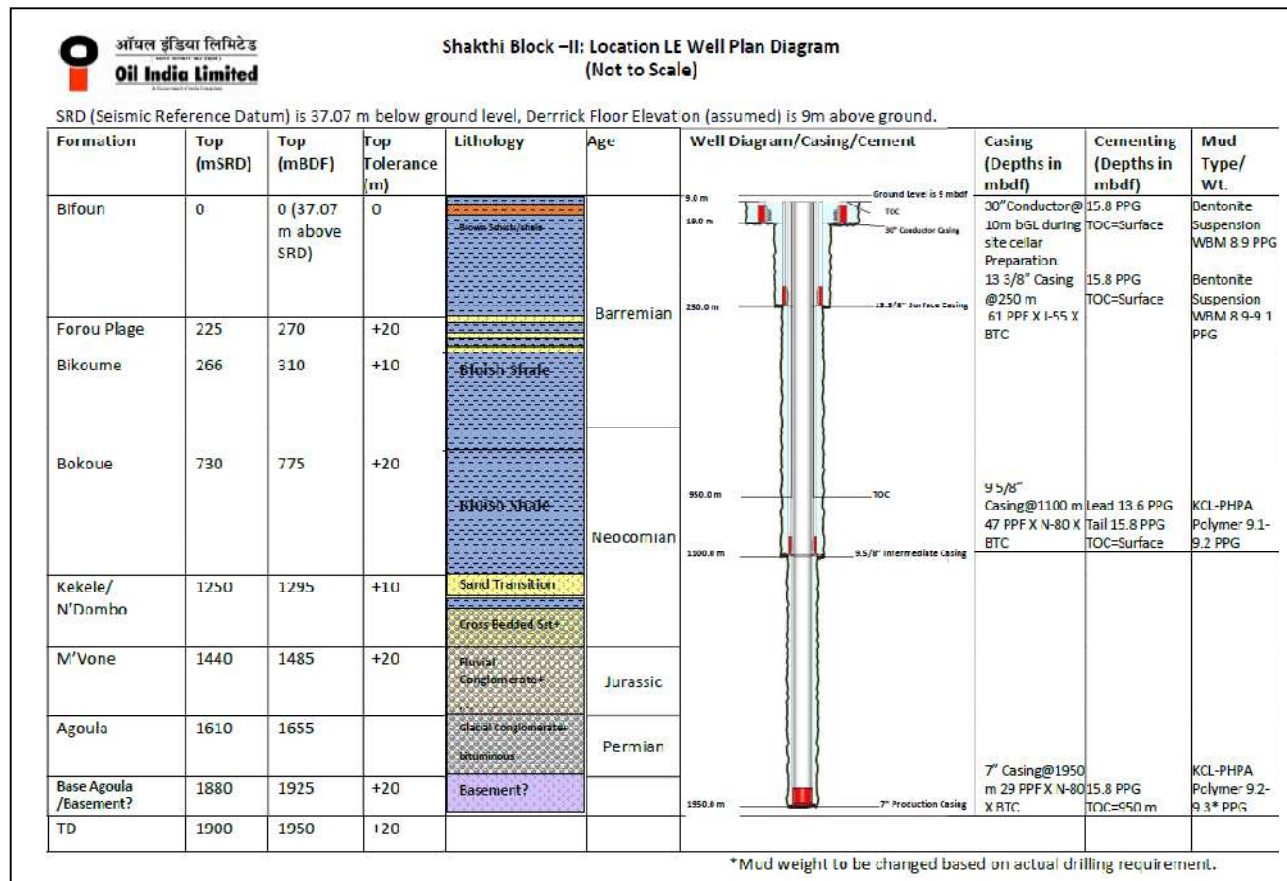


Figure-2: Casing, Cementing & Mud Policy of Loc. LE (3 Stage Completion)

**Table-4: SUMMERY OF CASING, CEMENTING & MUD POLICY**

| Casing/<br>Liner                            | Hole size | Casing Size               | Loc:LE   | Loc:C     | Cement                     | Mud-WBM                          |
|---------------------------------------------|-----------|---------------------------|----------|-----------|----------------------------|----------------------------------|
| Surface casing                              | 26"       | 20", J-55 x 94ppfxBTC     | -----    | 0-150     | Up to surface              | 8.7-8.9ppg Bentonite Suspension. |
| Intermediate Casing                         | 17.1/2"   | 13.3/8", J-55 x61 ppfxBTC | 0-250    | 0-700     | Up to surface              | 8.6-8.9 ppg polymer mud*         |
| Production Casing                           | 12.1/4"   | 9.5/8",N-80 x 47 ppfxBTC  | 0-1100   | 0-1900    | Up to surface              | 8.9-9.3 ppg Polymer mud          |
| Production Liner                            | **8.1/2"  | 7", N-80 x 29 ppfxBTC     | 950-1950 | 1750-2570 | 100 m inside 9.5/8" casing | 9.3-9.5 ppg Polymer mud          |
| Production tubing:3.1/2"X12.95 ppf EUExN-80 |           |                           | 1950     | 2570      | -----                      | 2% KCl brine                     |

\* Bentonite Suspension mud will be used for drilling 17.1/2" hole for Loc. LE.

\*\*Hole enlargement to 9.3/4"/9.7/8" by under reamer.

#### **4.0 BRIEF SCOPE OF WORK FOR CEMENTING AND LINER HANGER SERVICES:**

This section establishes the scope and schedule for the work to be performed by Contractor in the designated location and describes references, specifications, instructions, standards, other documents, the specifications for any materials, tools or equipment, which Bidder shall satisfy or adhere to in the performance of the work. The contractor/Vendor/Service provider should be able to provide both Cementing service and Liner Hanger Service together. The service provider/vendor/contractor who expresses their interest in providing both the service together shall only be considered. Any service vendor/service provider expressing interest or bidding only a part of the two services shall not be considered.

##### **4.1 (A) SCOPE-I (CEMENTING SERVICE):**

The contractor is required to provide services described herein but not limited to following activities:

1. To Provide Cement Slurry Design, Cementing Programme & Casing Stand-off design (centralizers placement programme).
2. The Service Provider/Bidder/Contractor shall be responsible to plan, design of cement slurry, pre-flush (if any), spacer and pumping rate etc & execute the cement job as per the well requirement, with their own chemicals & additives and to execute the jobs as per the plan approved by the Company with an objective to provide quality cementation job. Displacement of cement slurry will preferably be carried out by Rig pumps. However, depending upon the limitations of rig equipments, at times, services of cementing unit may be utilized for displacement.
3. The Service Provider/Bidder/Contractor has to supply all the cement additives required for cementation job either directly or through tie-up with the following six international reputed cementing additives supply companies.

- 1) M/s. Halliburton
- 2) M/s. BJ Service
- 3) M/s. Schlumberger
- 4) M/s. Weatherford
- 5) M/s. National Oil Well Varco (NOV).

4. The Service Provider/Bidder/Contractor to carry out relevant tests on cement and additives in the laboratory as per the API recommendations as well as actual simulations for cement slurry design.

5. To collect well-site water samples for sending it to their laboratory for testing and slurry design purpose.
6. Carry out Primary Cementing jobs by using cementing unit/ Batch Mixer.
7. Carry out Two stage cementing jobs (if required).
8. To carry out isolation repairing job, if required.
9. To carry out "Annulus Top-Up" (26"X20" Casing Annulus & 17.1/2" x 13.3/8" casing Annulus), if required.
10. To carry out Liner cementing jobs.
11. To carry out cement Plug jobs through drill pipe / tubing using Diverter sub
12. To carry out Casing integrity Test.
13. To assist in carrying out well head test/BOP tests/LOT/PIT/Well Killing/TCP actuation/DST down hole tool actuation (if required).
14. To maintain and service all equipment belonging to contractor and thus avoid downtime.
15. To perform remedial and squeeze job, if required, using cement retainer (Contractor to provide the cement retainers suitable for 7" x 29 PPF and 4½" x 11.6 PPF liners respectively).
16. To supply entire requirement of API Class-G cement, all required additives and consumables.
17. To carry out installation & commissioning of required facility in each designated drilling location.
18. To carry out dismantling of Contractor's facility at drilling location upon serving notice by Company.
19. To carry out timely mobilization of tools / equipment / consumables/ personnel to designated drilling locations.
20. To carry out ILM (Inter-location Movement) for all their items / equipment / consumables / personnel to forward locations.
21. To carry out dismantling of Contractor's facility & demobilization of the same upon receipt of demobilization notice from the Company.
22. To blend and handle cement and additives at location.
23. Any other jobs generally connected with operational requirement to restore normalcy of the wells shall be provided by the Contractor when called upon to do so including supply of extra items / equipment / cement additives (on mutually agreed terms & conditions).
24. The Contractor shall also be responsible to carryout post job analysis of all critical cementation jobs in their simulator and to suggest ways and means to improve further quality of jobs.
25. The Contractor shall take into account the availability of all the requisite equipment and additives for the cementation jobs at the planning stage. The contractors shall co-ordinate and recommend the availability of additives for all critical jobs prior to commencement.
26. The Cementing Engineer should propose tentative cementing program before time and make real-time changes as per requirement of the company.
27. Quality packaging of chemicals/additives should be according to the relevant API specifications. The contractor should provide a list of complying standards.
28. The Service Provider/Bidder/Contractor must have their own cement slurry designing & testing facilities for carrying out necessary lab tests.

The cement program shall include but not limited to the following:

- Cement slurry density and volume.
- Cement slurry formulation & consistency.

- Draft hydraulic simulation.
  - Draft computational fluid dynamics for fluids compatibility, interaction and optimization of properties and volumes.
  - Bottom hole circulating temperature simulations.
  - Propose cement additive and recommend concentration for the hole section.
  - Complete cost estimates;
  - API fluid loss at 1000 psi and BHT (Static & Dynamic),
  - Thickening time as per API schedule,
  - Free water as per API schedule,
  - Comprehensive strength (24 hrs & 72 hrs as per API schedule)
29. To carry out relevant API and other tests on cement Slurry with additives in the nearest reputed laboratory (if required) as per the testing conditions and cement slurry properties.
  30. The contractor shall maintain the log of operations to include cementing operation in progress, time break-up, density measurement, mixing rate, volume of fluid pumped, pumping pressure during cement pumping & displacement, displacement rate, quantity of cement, additives & mechanical aids used. All specific events occurring throughout the cementation job should be recorded along with other relevant points for post job analysis.
  31. The Contractor shall be responsible for providing a complete job report comprising of slurry design, computer aided programme, job execution parameter, complications if any, complete post job analysis & material consumption report so that accordingly necessary corrective measures/improvements/precautions for future operations may be taken up so to avoid costly secondary repair jobs. The Contractor shall also familiarize operator personnel with complete understanding of software programme to have meaningful interpretation of data.
  32. To seal-off "Loss Circulation Zone" using loss circulation materials and placing cement plug or barites-bentonite-diesel-gunk plug. Requisite Barytes, Bentonite and Diesel for this purpose will be provided through Mud Engineering service contract.
  33. To collect slurry samples in briquettes prior and during pumping the slurry for recording setting time and hardness testing (to be conducted at their laboratory) as per API recommended practice).
  34. To carry out any other job normally required to be done through the Cementing Unit (associated with drilling operation) as decided by company. As an example well killing by using Cementing unit.

**Notes:**

- (i) In order to provide above services, the contractor shall mobilize their equipment & competent personnel / experts. The contractor personnel based at well site shall be required to plan and execute above activities in close coordination of the Company Representative.
- (ii) Before Commencement of providing service, the contractor may study the rig facility offered by Company and its tools / equipment including mud handling system and solid control equipment and other facilities etc. so that they can make a realistic assessment about Company's infrastructure facilities which may be utilized during execution of cement job.

**(B) SCOPE-II (LINER HANGER SERVICE):**

**(i)** The contractor is required to provide services described herein but not limited to under noted activity:

1. To provide expert services with Tools / Equipment / Consumables for lowering 7" liner in 8-1/2" to 9.7/8" hole, setting 7" liner hanger against 9.5/8"x47ppf casing, Hydraulic setting slips in the annulus (7" X 9-5/8")
2. To provide primary services of Liner Hanger Engineer for running, setting, testing of 7" inch Liner Hanger on Call Basis i.e. the service should be ready as stand by to be mobilized within 15 days notice. The Contractor shall be intimated one month before requirement of services.
3. The Contractor will be required to provide the intended services as desired by the Company as and when required in line with the contractual terms.
4. To provide services of Liner Hanger Engineer for "7 inch casing Tie – Back" operation and "4.1/2" Liner Hanger Operation" as and when required basis, in case of company's decision to lower "Tie-Back" string and drilling 6" slim hole as a contingency plan depending on operational requirement. It should be noted that above mentioned two optional services are not interlinked.

**Note:** In order to provide above services, the contractor shall mobilize their equipment & competent personnel / experts. The contractor personnel based at well site shall be required to plan and execute above activities in close coordination with the Company Representative.

**(ii) GENERAL SERVICE REQUIRED:**

- a) To carry out mobilization of tool/equipment/consumables to the designated drilling location.
- b) To mobilize personnel (Liner Hanger Expert) to drilling location on receipt of mobilization notice from company representative.
- c) To carry out installation & commissioning of required facility in drilling location.
- d) To carry out dismantling of contractor's facility at drilling location upon receipt of demobilization notice from company.

**(iii) SPECIFIC SERVICE REQUIRED AT DRILLING LOCATION:**

- (i) To assemble 7" Liner Setting tool with all accessories such as: Setting Collar with TBR / Liner Hanger / RPOB / Slick Joint etc. on ground level with the assistance of Rig Crew in coordination with Company Representative & Tool Pusher.
- (ii) To service RPOB and dress with a brand new set of inner & outer seal before inserting inside setting collar.
- (iii) To make up Shoe, Float Collar and Landing Collar with Liner joint on ground level (using thread lock compound).
- (iv) To supervise installation of Casing Centralizers (Solid Body Type) & Stop Collar in 7" Liner joints (on ground before running in starts) by Rig Crew in coordination with Company Representative & Tool Pusher. The Casing Stand-off Programme will be designed by Cementing Service Provider.
- (v) To monitor 7" Liner running in operation performed by Rig Crew in coordination with Company Representative & Tool Pusher.
- (vi) To monitor the makeup torque while tightening shoe / float collar / landing collar / liner hanger etc. etc.
- (vii) To monitor casing fill – up volume & Hole fill up volume in coordination with Company Representative & Tool Pusher.

- (viii) To supervise "making-up" Liner setting Tool complete with all accessories with liner string on Drill floor by Rig Crew in coordination with Company Representative & Tool Pusher.
- (ix) To design the configuration of drill pipe string for lowering Liner as well as setting slips in coordination with Company Representative & Tool Pusher.
- (x) To monitor hook load (Liner string & drill pipe string) during running in.
- (xi) To monitor drifting of all drill pipe before lowering into hole in coordination with Tool Pusher.
- (xii) To monitor the tally of drill pipe string and Liner string during running in coordination with Tool Pusher.
- (xiii) To monitor circulating pressure as and when it is decided to establish circulation during running in liner in coordination with Company Representative & Tool Pusher.
- (xiv) To arrange for and set hanger hydraulically with liner shoe as close as possible to drilled depth.
- (xv) To re-establish circulation after setting hanger.
- (xvi) To release Liner string from setting tool in coordination with Company Representative & Tool Pusher.
- (xvii) To monitor reverse/forward circulation (for pumping out any excess cement after the drill pipe string is pulled out above receptacle). The reverse circulation depth will be just above the Tie Back Receptacle (TBR).
- (xviii) To monitor laying down Heavy Duty Cementing manifold from drill floor after completion of cementing operation in coordination with Tool Pusher.
- (xix) To supervise laying down setting tool with Slick Joint, once it is pulled out of hole.
- (xx) To submit a detailed report on Liner Hanger Operation to Company Representative by Liner Hanger Expert after completion of the job.
- (xxi) To maintain and service all equipment belonging to Contractor and thus avoid downtime.
- (xxii) Any other jobs generally connected with such services or bringing-in a well to health shall be provided by the Contractor when called upon to do so including supply of extra items/equipment (on mutually agreed terms & conditions).

#### **4.2(A) EQUIPMENTS, TOOLS, FITTINGS & ACCESSORIES FOR CEMENTING SERVICES(SCOPE-I):**

##### **(1) CEMENTING UNIT**

The Cementing Unit should be a twin pump high pressure pumping unit suitable for all types of pressure pumping services including but not limited to cementing, stimulation and general pumping services. The unit should be mobile, self-driven or trailer mounted (skid mounted unit placed on trailer will not be accepted) with stand-by horse unit, having self-contained centrifugal pumps, circulating & mixing system, hoppers and feed water pump, etc.

The Cementing Unit should be complete with all accessories including but not limited to the following and capable of carrying out the jobs as specified above.

- a) **Prime Mover:** The twin pumping unit should be powered by two diesel engines, each capable of delivering 320 BHP (Minimum).
- b) **Pumps:** The twin pumping unit of single acting triplex pumps with each pump having rated capacity of 10,000 PSI WP (Minimum) and pumping rate of 10 US BBLs per minute. The pumps should have a minimum output of 220 HP each. One or both the pumps should deliver fluid through the high pressure manifold simultaneously. The high pressure manifold should be rated for 10,000 PSI working pressure and should

have valves to permit one or both the pumps to circulate back to the displacement tank.

- c) **Re-circulating Cement Mixing System:** Re-circulating equipment consisting of re-circulating mixer used in conjunction with a two compartmental displacement tank, 10 bbls each.
- d) **Displacement Tanks:** Twin calibrated displacement tanks graduated in 0.5 bbls increments and holding a minimum of 10 bbls each for a measured total of 20 bbls.
- e) **Central Control Console:** Full sensor package of advanced technology like PACR (Portable Automatic Cement Recorder).
- g) **Safety System:** The Cementing Unit must incorporate adequate safety systems to avoid damage to the equipment or personnel in case of over pressurization.

**(2) BATCH MIXER:**

- (i) Twin Pod 100 bbl Capacity skid mounted cement batch mixer with re-circulating system and agitator: 1 No.
- (ii) The batch mixer should be complete with all standard equipment, gadgets, pipe fittings etc. for preparing cement slurries as desired by Company.

**(3) OTHER CEMENTING EQUIPMENTS:**

- (i) Chiksan Loops: 2" chiksan loops of 12 ft length each & 10000 psi (Fig1002) rating line with necessary adaptors / connectors / cross-overs (includes swivel joints, bend, nipple, elbow, plug valves etc.) to connect cementing unit to circulating / cementing head at derrick floor / cellar – Total length 300ft (Minimum)
- (ii) Bulk Cement Plant/ Surge Tank: Cement silos with minimum total capacity of 120 Ton and air compressor for bulk system and Cutting Bottle, rock catcher for blending cement and all other infrastructure required for blending & mixing cement & additives.
- (iii) Cementing Manifold of 5000 psi /10, 000 psi WP for connections to cementing line, casing swedges, casing heads and standpipe for the rig.
- (iv) Mix Water Tanks (250 bbls each-two nos.)
- (v) Leak off test gauges: 0-200, 0-1000 and 0-3000 psi gauges.
- (vi) Top up cementing hose suitable for use in (26" x 20") and (17.1/2" x 13.3/8") casing annulus.
- (vii) Thread locking compound.

**(4) CEMENTING HEAD WITH QUICK CHANGE ADAPTOR:**

- (i) 13.3/8" Standard double plug cementing head (not less than 3000 PSI) with quick coupler/adaptor having bottom buttress pin thread connection for 13.3/8" casing – 1 No.
- (ii) 9.5/8" Standard double plug cementing head (5000 PSI) with quick coupler/adaptor having bottom buttress pin thread connection for 9. 5/8" casing – 1 No.
- (iii) Cementing head for 7" liner job: 01 No
- (iv) Adequate spares for above.
- (v) 20" circulating swedge BTC connection

**(5) CIRCULATING HEAD:**

- (i) 20" circulating swedge BTC connection – 1 No.
- (ii) 13-3/8" circulating swedge BTC connection – 1 No.
- (iii) 9-5/8" circulating swedge BTC connection – 1No.
- (iv) 7" circulating swedge BTC connection – 1 No.

**(6) STAGE CEMENTING COLLARS (OPTIONAL):**

9- 5/8" Mechanical Stage cementing collar with first stage sealing plug, opening device and closing plug – 1 No.

**(7) SQUEEZE PACKER:**

- (i) 13-3/8" squeeze packer with circulating valve (Optional) – 1 No.
- (ii) 9-5/8" squeeze packer with circulating valve (Optional) – 1 No.
- (iii) 7" squeeze packer with circulating valve (Optional) – 1 No.

**(8) CEMENT RETAINER:**

- (i) 9-5/8" cement retainer with Bridge Plug conversion kit (Wireline and Drill pipe) - (Optional) – 1 No.
- (ii) 7" cement retainer with Bridge Plug conversion kit (Wireline and Drill pipe) – (Optional) – 1 No.

**NOTE: VINTAGE OF EQUIPMENT AND TOOLS FOR CEMENTING SERVICE:**

- (a) The vintage of the Cementing Unit, batch mixer, Surface tools and other equipment provided by the Contractor shall not be of more than ten (10) years old as on the EOI publication date. The Service Provider to confirm while responding to this EOI.
- (b) All down hole consumable equipment must be brand new. Service provider shall guarantee its satisfactory performance.

**4.2(B) EQUIPMENTS, TOOLS, FITTINGS & ACCESSORIES FOR LINER HANGER SERVICES(SCOPE-II):**

Specifications and design features required for 7"x29ppfxN-80xBTC Liner Hanger system and ancillaries, and a contingency 4.1/2"x11.6ppfxN-80xLTCLiner Hanger system and ancillaries. The contractor shall deliver all the equipment at rig site at contractor's cost and risks.

**(i) 7" x 9-5/8" HYDRAULIC SET NON ROTATING LINER HANGER**

- 7"x29ppfxN80xBTC by 9.5/8"x 47ppfxN80xBTC.
- Setting collar.
- Sufficient strength to hang ± 900m of 7"x29ppf liner in a vertical well.
- Tieback Receptacle (TBR): 4 ft.
- Drifted to 6.059"

**(ii) 4-1/2" x 7" HYDRAULIC SET NON ROTATING LINER HANGER)**

- 4.1/2"x11.6ppfxN80xLTC by 7"x29ppfxN80xBTC
- Setting Collar.
- Sufficient strength to hang ± 600m of 4.1/2"x11.6ppf liner in a vertical well.
- Tieback Receptacle (TBR): 4ft
- Drifted to 3.875"

The above should be complete with the following accessories (but not limited to) for successful lowering of 7 inch Liner, setting of Hanger, Cementing of Liner, hydraulic Setting slips in the annulus of 7 inch X 9.5/8 inch:

- Liner Setting Tool.
- Slick Joint for screwing the Liner Wiper Plug.
- Setting Collar with RPOB ( Retrievable Pack-off Bushing )
- RPOB (Retrievable) is to be dressed with brand new set of inner & outer seal.
- Landing Collar with provision for Back Pressure Valve.

- Drill pipe pump down plug.
- Liner wiper plug.
- Float Collar for 7" 29.0ppf N80 BTC with provision for Back Pressure Valve.
- Float Shoe for 7" 29.0ppf N80 BTC with provision for Back Pressure Valve.

**(iii) EQUIPMENT RENTAL:**

- a) 7" Liner Hanger Running/ Setting Tool complete assembly with setting collar and RPOB.
- b) 4.1/2" Liner Hanger Running/ Setting Tool complete assembly with setting collar and RPOB.
- c) Heavy Duty Cementing Manifold (bottom connection: 4.1/2 inch IF) With provision for storing Drill Pipe (5" OD x 19.5 ppf) pump down Plug in its upper chamber, swivel in the bottom and a ball release valve (for setting the hydro-hanger).

**NOTES :**

- (i) The contractor shall submit two sets of printed technical literature along with technical specification, Make / Model / Type and detailed drawing of each & every accessory of Liner Hanger assembly including Setting Tool, Cementing Manifold etc.
- (ii) All consumable item must be brand new & un-used.
- (iii) The Hanger must be lowered and set in one trip.
- (iv) An overlapping of 150 meter of 7" Liner is planned inside 9.5/8" casing.

**VINTAGE OF TOOLS / EQUIPMENT FOR LINER HANGER:**

- (i) The vintage of the Surface tools and other equipment supplied by the Contractor **shall not be of more than ten (10) years old** as on EOI publishing date counted from the date of its manufacturing. The contractor shall furnish certificates/documents in this regard in support.
- (ii) All down hole equipment must be new or in first class working condition, completely redressed with new parts and contractor shall guarantee its satisfactory performance. The service provider/contractor shall furnish certificates/documents in this regard in support.

**4.3 PERSONNEL:**

**(1) FOR CEMENTING SERVICE:**

The Contractor will deploy 01 (one) competent, qualified, adequately experienced and trained cementing/servicing Engineer with minimum five (05) years experience in oil/gas well cementing jobs to fulfil the scope of work correctly and efficiently. Cementing Engineer/Cementing Unit Operator and two work personnel should be the optimal deployment.

However, if the Contractor deploys more than two personnel for assisting their engineer towards performance of any specific job at well site during the currency of contract, Company will not pay for such additional man-power.

**(2) FOR LINER HANGER SERVICE:**

The Contractor will deploy **1 (one) Liner Hanger Engineer** [competent, qualified and trained personnel] with **minimum five (05) years** experience in oil/gas well liner hanger setting and other associated jobs as per 'Scope of work(SCOPE-II)' on call basis i.e. the

person should be ready as stand by to be reported within one week notice. Contractor should take prior approval from the Company for deploying of Liner Hanger Engineer.

#### **4.4 SUPPLY OF CONSUMABLES:**

##### **(1) FOR CEMENTING SERVICE:**

###### **SUPPLY OF API CLASS "G" CEMENT AND ADDITIVES:**

Oilwell API Class "G" Cement and cement additives (Details of products are to be given in a format as Table-5 in **ANNEXURE-I**) for cementation shall be delivered at site by the Contractor. Company shall reimburse the cost of consumables at actual consumption basis as per quoted price and hence cost has to be quoted clearly in a separate section. However, bidder is required to stock sufficient quantity of cement and additives at site for any eventuality. As per the requirement of the operator's tender document, and due to the job nature of cementing operation, both the operator and the contractor agree to prepare adequate redundancy of necessary materials.

###### **NOTES:**

1. Service Provider/Bidder shall maintain his own warehouse / supply base and deliver cement, chemicals & additives at site by his own arrangement / expenses.
2. Service Provider/Contractor shall transfer all materials, chemicals / additives from 1<sup>st</sup> location to next location after completion of well.
3. The Service Provider/Contractor shall provide product data for all materials, chemical & additives including but not limited to brand name, unit of packing, country of origin, specification and Material Safety Data Sheet (MSDS).
4. All the chemicals should be in their original packing & conform to relevant API standard. If any chemical is found to be not conforming to the specifications, contractor shall replace the defective material immediately with quality product that conforms to the specification.
5. OIL reserves the right to terminate the contract if the chemicals and additives are found to be substandard and the contractor is unable to replace those.

##### **(2) FOR LINER HANGER SERVICE:**

Specifications and design features required for 7"x29ppfxN-80xBTC Liner Hanger system and ancillaries, and a contingency 4.1/2"x11.6ppfxN-80xLTC Liner Hanger system and ancillaries. The contractor shall deliver all the equipment at rig site at contractor's cost and risks.

###### **(i) 7" x 9-5/8" HYDRAULIC SET NON ROTATING LINER HANGER**

- 7"x29ppfxN80xBTC by 9.5/8"x 47ppfxN80xBTC.
- Setting collar.
- Sufficient strength to hang  $\pm$  900m of 7"x29ppf liner in a vertical well.
- Tieback Receptacle (TBR): 4 ft.
- Drifted to 6.059"

###### **(ii) 4-1/2" x 7" HYDRAULIC SET NON ROTATING LINER HANGER)**

- 4.1/2"x11.6ppfxN80xLTC by 7"x29ppfxN80xBTC
- Setting Collar.
- Sufficient strength to hang  $\pm$  600m of 4.1/2"x11.6ppf liner in a vertical well.
- Tieback Receptacle (TBR): 4ft
- Drifted to 3.875"

The above should be complete with the following accessories (but not limited to) the following for successful lowering of 7 inch Liner, setting of Hanger, Cementing of Liner, hydraulic Setting slips in the annulus of 7 inch X 9.5/8 inch:

- Liner Setting Tool.
- Slick Joint for screwing the Liner Wiper Plug.
- Setting Collar with RPOB ( Retrievable Pack-off Bushing )
- RPOB (Retrievable) is to be dressed with brand new set of inner & outer seal.
- Landing Collar with provision for Back Pressure Valve.
- Drill pipe pump down plug.
- Liner wiper plug.
- Float Collar for 7" 29.0ppf N80 BTC with provision for Back Pressure Valve.
- Float Shoe for 7" 29.0ppf N80 BTC with provision for Back Pressure Valve.

**(iii) EQUIPMENT RENTAL:** Service Provider shall mobilize the following tools/equipment on rental basis.

- (a) 7" Liner Hanger Running/ Setting Tool complete assembly with setting collar and RPOB.
- (b) 4.1/2" Liner Hanger Running/ Setting Tool complete assembly with setting collar and RPOB.
- (c) Heavy Duty Cementing Manifold (bottom connection: 4.1/2 inch IF) With provision for storing Drill Pipe (5" OD x 19.5 ppf) pump down Plug in its upper chamber, swivel in the bottom and a ball release valve (for setting the hydro-hanger).

## **5.0 PRE-QUALIFYING CRITERIA FOR CEMENTING & LINER HANGER SERVICES:**

**5.1 TECHNICAL CRITERIA:** The Vendor/Contractor/Service Provider must fulfil the following minimum prequalifying criteria to be eligible for empanelment/short-listing and issue of tender document by Company for hiring Cementing and Liner Hanger Services.

- (i) The Vendor/Contractor/Service Provider should be in the business of providing Oil Well Cementing and Liner Hanger Services for the past **seven (7) years** as on the EOI publication date.
- (ii) The Vendor/Contractor/Service Provider must have provided oil well cementing services for minimum five (5) numbers of exploratory wells of more than 2600 m depth each.
- (iii) The Cementing and Liner Hanger Engineer to be deployed under the contract must have minimum **Five (5) years** of relevant experience individually. However, out of above five(5) years, both the Cementing Engineer and Liner Hanger Engineer must have at least three (3) years experience in handling well cementation jobs and Liner Hanger jobs respectively in oil/gas drilling wells having carried out such jobs for at least two(2) wells of minimum depth of 2600m by both the Engineer.
- (iv) The Cementing Unit, Liner Hanger Running Tools and other surface tools & equipment shall not be of more than ten (10) years old as on the date of EOI publication.

**Also, the Vendor/Contractor/Service Provider shall have to supply cement additives, either directly or through tie-up with any of the four international reputed cementing additives supply companies viz. M/s Halliburton, M/s BJ Services, M/s Schlumberger, M/s Weatherford & M/s. National Oil Well Varco (NOV).**

- (v) The Vendor/Contractor/Service Provider should be in a position to complete mobilization of their resources at site to take up the assignment in the event of a contract within **Ninety (90) days** from the date of issue of Letter of Award (LOA) by Company.

## 5.2 FINANCIAL CRITERIA:

- (i) The Vendor/Contractor/Service Provider shall have **Annual financial turnover** of minimum **US\$ 841436** (US Dollar Eight Hundred Forty One Thousand Four Hundred Thirty Six) during any of the preceding 03 (three) financial/accounting years reckoned from the original EOI publication date.
- (ii) **Net worth** of Vendor/Contractor/Service Provider must be positive for preceding financial/accounting year.
- (iii) Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original EOI publication date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year ..... has actually not been audited so far'.

### **NOTE:**

- (a) For proof of Annual Turnover & Net worth any one of the following documents must be submitted along with the EOI:
- i) A certificate issued by a practicing Chartered /Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE-IV**
- OR**
- ii) Audited Balance Sheet along with Profit & Loss account. In case of foreign Vendor/Contractor/Service Provider, self-attested/digitally signed printed published accounts are also acceptable.
- (iv) In case the Audited Balance Sheet and Profit Loss Account submitted along with the EOI are in currencies other than US\$, the Vendors/Contractors/Service Providers shall have to convert the figures in equivalent US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the bidder regarding converted figures in equivalent US\$.
- (v) In case the bidder is a subsidiary company (should be a 100% subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits EOI based on the financial strength of its parent/ultimate parent/holding company, then following documents need to be submitted along with the technical EOI:
- a) Audited Balance Sheet and Profit Loss Account of the parent/ ultimate parent/ holding company **or** a CA Certificate.
- b) Corporate Guarantee of parent/ultimate parent/Holding company (as per format enclosed as **ANNEXURE-V** by the authorized officials.

- c) The bidder is a 100% subsidiary company of the parent/ultimate/holding parent company.
- d) Documents proving that Net worth of the parent/ultimate parent company is positive for the accounting year preceding the EOI/bid publishing date”.

### **5.3 BIDS FROM CONSORTIUM:**

In case, the bidder is consortium of companies, the following requirement should be satisfied by the bidder:

- (i) The Leader of the Consortium should satisfy the minimum Pre-Qualifying Criteria as per para 5.1 (i) to (v) above. However, at least any one of the consortium members individually shall have to meet the Annual financial turnover criteria mentioned in para 5.2 (i) to (v) and the other members of Consortium should meet minimum **USD 420718** (US \$ Dollar Four Hundred Twenty Thousand Seven Hundred Eighteen) turnover by each member.
- (ii) Net worth of all the individual consortium members should be Positive for preceding financial / accounting year.
- (iii) Consortium bids shall be submitted with a Memorandum of Understanding between the consortium members duly signed by the authorized Executives of the consortium members clearly defining the role/scope of work of each partner/member, binding the members jointly and severally to the responsibility for discharging all obligations under the contract and identifying the Leader of Consortium. Unconditional acceptance of full responsibility for executing the 'Scope of Work' of this bid document by the Leader of the Consortium shall be submitted along with the technical bid/EOI.
- (iv) Only the Leader of the consortium shall submit bid/EOI on behalf of the consortium. The other members of the Consortium shall ratify all the acts and decisions of the Leader of Consortium, which are taken in connection with and/or during the evaluation of the EOI/tender and execution of the contract.
- (v) The leader of the consortium on behalf of the consortium shall coordinate with OIL during the period the bid is under evaluation as well as during the execution of works in the event contract is awarded and he shall also be responsible for resolving dispute/ misunderstanding/undefined activities, if any, amongst all the consortium members.
- (vi) Any correspondence exchanged with the leader of consortium shall be binding on all the consortium/joint venture members.
- (vii) Documents/details pertaining to qualification of bidder of document attached with the bidding documents must be furnished by each partner/member of consortium complete in all respects along with the bid clearly bringing up their experience especially in the form of work in their scope.
- (viii) Members of the consortium are not allowed to quote separately/independently against this tender/EOI. All the EOIs received in such case will be summarily rejected. Further, all bids/EOI from parties with technical support from the same Principal will be rejected.

- 5.4** Any party who is extending technical support by way of entering into technical collaboration with another party shall not be allowed to submit an independent EOI/Bid against the EOI/tender and such bids shall be rejected straightway. Further, all bids from parties with technical collaboration support from the same Principal/Collaborator will be rejected.

## 6.0 DOCUMENTS / INFORMATIONS:

The Vendor/Contractor/Service Provider must furnish the following documents as part of their EOI in support of fulfilling all the above pre-qualifying criteria, failing which the EOI will be rejected.

- (a) Technical Specifications Sheet with brief description of Cementing Unit, Batch Mixer(s), Liner Hanger Running and Setting Tools identified for deployment in the event of a contract.
- (b) A letter with categorical confirmation that the Cementing Unit, Batch Mixer(s) and other surface tools & equipment as identified in the EOI for deployment in the event of a contract shall not be of more than ten (10) years old reckoned from the date of EOI publication.
- (c) A letter with categorical confirmation that the Vendor/Contractor/Service Provider has the key personnel meeting the requisite experience as indicated above and can deploy them for job execution in the event of a contract vide **ANNEXURE-VI**.
- (d) Service Provider's/Vendor's experience in providing oil well Cementing Services during the last seven (7) years preceding the EOI publication date – Statement to be furnished by the Vendor/Contractor/Service Provider in a tabular form as per **ANNEXURE-II** indicating details of jobs completed.
- (e) Details of current work in hand and other contractual commitments of the Vendor/Contractor/Service Provider are to be submitted in tabular form as per **ANNEXURE-III**.
- (f) Financial turnover of Vendor/Contractor/Service Provider – Statement to be furnished as per **ANNEXURE-IV** for the last three (3) accounting years, preceding the date of publication of EOI.
- (g) **MOU/Agreement/Corporate Guarantee:** Valid document, must be furnished in respect of formation of Consortium/Joint Venture/ Collaboration or Corporate Guarantee for 100% subsidiary, as may be applicable, pursuant to para 5.3(i) to (viii), above.
- (h) **Mobilization:** Vendor should confirm to mobilize their resources within **Ninety (90) days** from issue of Letter of Award (LOA) by Company.
- (i) A letter with categorical confirmation that the Vendor/Contractor/Service Provider in the event of a contract shall supply all the cement additives required for cementation job either directly or through tie-up with the following four international reputed cementing additives supply companies.
  - **M/s. Halliburton**
  - **M/s. BJ Services**
  - **M/s. Schlumberger**
  - **M/s. Weatherford**
  - **M/s. National Oil Well Varco (NOV)**

## 7.0 GENERAL NOTES:

- (i) All documents submitted along with the EOI must be self certified by the Vendor/Contractor/Service Provider and should be clear & legible.
- (ii) All certificates and documentary evidences required to be submitted in support of Para 6.0 [(a) to (i)] above should be clearly legible and in English. If any certificate is submitted other than English language, it should be translated to English by a certified

translator. Illegible and incomplete certificates or documents will not be considered for evaluation.

- (iii) The EOI is liable to be ignored in case of submission of any misleading / false/inconsistent representation by the Vendor/Contractor/Service Provider. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per **ANNEXURE-VII**.
- (iv) A Pre-Bid conference will be held to explain the requirements of Company in details with the short listed/interested Bidders through the EOI for exchange of views/clarifications.
- (v) Vendor/Contractor/Service Provider must agree to abide by the law of Gabon for all purposes.
- (vi) In case of award of contract, the Service Provider/Contractor if imports the equipment etc. on re-export basis, the Contractor shall ensure for re-export of the equipment and all consumables and spares (except those consumed during the contract period) and complete all documentation required. The Contractor should arrange for re-export of equipment within the period of notice of de-mobilization issued by the Company. If the re-export is not completed within the specified period, customs duty, penalty etc. levied by customs authorities for such delay shall be to Contractor's account and same will be deducted by the Company from Contractor's bills and security deposit.
- (vii) OIL INDIA LIMITED reserves the right to ignore any or all EOIs and also to curtail/enhance the scope of work stated above, if required, without assigning any reason thereof.

## **8.0 SUBMISSION OF EOI:**

- 8.1 Interested Parties/Vendors/Contractors/Service Providers having relevant experience and expertise (details are available at OIL's website-[www.oil-india.com](http://www.oil-india.com) OR <http://oil-india.com/NExpressionOfInterest>) are invited to submit their EOI(s) at our e-mail id: **oilgabonproject@gmail.com** within **14<sup>th</sup> March'2019(Extended Date)**, followed by hard copies of the same in sealed envelopes super-scribing "EOI FOR HIRING OF CEMENTING AND LINER HANGER SERVICES INCLUDING SUPPLY OF ALL EQUIPMENTS, MANPOWER, MATERIALS AND CONSUMABLES FOR EXPLORATORY DRILLING IN GABON" through courier/post/Safe-hand at the below address:

**GENERAL MANAGER-GABON**

**OIL INDIA LIMITED, GABON PROJECT**

**La Sablière, Immeuble FIDJI, (près de l'ancienne Cour Constitutionnelle)**

**BP:23134 Libreville, Gabon, Tel : +(241)-01 44 29 92,**

**E-mail: oilgabonproject@gmail.com**

Vendor/Contractor/ Service Provider may also upload their offer in their FTP server/File sharing website (portal) and the link(s) may be provided to us at our e-mail within the above specified period.

- 8.2 Oil India Limited reserves the right to (a) either accept or reject any/all EOIs; (b) cancel the process, without assigning any reasons whatsoever

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**Table-5: List of API Class G Cement & Additives**

| (i) LIST OF CONSUMABLES AND ADDITIVES: |                               |            |                   |                |               |
|----------------------------------------|-------------------------------|------------|-------------------|----------------|---------------|
| Sl. No.                                | DESCRIPTION                   | BRAND NAME | COUNTRY OF ORIGIN | UNIT OF SUPPLY | SPECIFICATION |
| 1                                      | API Class 'G' cement          |            |                   |                |               |
| 2                                      | Retarder                      |            |                   |                |               |
| 3                                      | Accelerator                   |            |                   |                |               |
| 4                                      | Dispersant                    |            |                   |                |               |
| 5                                      | Defoamers                     |            |                   |                |               |
| 6                                      | Fluid Loss Additives          |            |                   |                |               |
| 7                                      | Bonding Agent                 |            |                   |                |               |
| 8                                      | Weighted Spacer               |            |                   |                |               |
| 9                                      | Extender                      |            |                   |                |               |
| 10                                     | Any other chemical/ additives |            |                   |                |               |

(ii) **Consumable Equipment: Following is the tentative list of consumables to be supplied by the service provider but not limited to:**

| Sl.No. | Items                                                                                                   | Quantity           |
|--------|---------------------------------------------------------------------------------------------------------|--------------------|
| 1      | 20" Stab-in Float shoe                                                                                  | 1 No               |
| 2      | 13.3/8" Casing Shoe                                                                                     | 2 Nos              |
| 3      | 13.3/8" Float Shoe                                                                                      | 2 Nos.             |
| 4      | 13.3/8" Top Plug                                                                                        | 2 Nos              |
| 5      | 13.3/8" Bottom Plug                                                                                     | 2 Nos.             |
| 6      | 9.5/8" Casing Shoe                                                                                      | 2 Nos.             |
| 7      | 9.5/8" Float Shoe                                                                                       | 2 Nos.             |
| 8      | 9.5/8" Top Plug                                                                                         | 2 Nos.             |
| 9      | 9.5/8" Bottom Plug                                                                                      | 2 Nos.             |
| 10     | 7" Casing Shoe                                                                                          | 2 Nos.             |
| 11     | 7" Float Collar                                                                                         | 2 Nos.             |
| 12     | 7" Landing Collar                                                                                       | 2 Nos.             |
| 13     | 7" Liner Wiper Plug                                                                                     | 2 Nos.             |
| 14     | 5" Drill Pipe Wiper Plug                                                                                | 2 Nos.             |
| 15     | Different sizes of flexible & solid body centralizers as per requirement of different sizes of casings. | To be confirmed.   |
| 16     | Bridge Plug: 9.5/8", 7" & 4.½" in case of abandonment.                                                  | Consignment basis. |
| 17     | Cement Retainer & Stage Collar if need be.                                                              |                    |

**Notes:**

- Oil well API, Class 'G' cements and necessary additives will be provided by the Contractor. **Company shall reimburse the cost of such additives/ items at actual to the Contractor against submission of documentary evidences.** However, Diesel for Contractor's Unit shall be arranged by Contractor.
- Contractor shall supply the Chemicals/Additives in staggered manner depending on well requirement in lots to be decided by Company in consultation with Contractor after award of contract.

**EXPERIENCE STATEMENT OF SERVICE PROVIDER**

(a) Detail Experience in providing Cementing Services during last 7 (seven) years preceding bid (EOI) publication date.

| Sl. No. | Contract No | Name & contact details of client | Place of operation | Well Depth | Details of casing strings cementation |       | Commencement date of contract | Completion date of contract |
|---------|-------------|----------------------------------|--------------------|------------|---------------------------------------|-------|-------------------------------|-----------------------------|
|         |             |                                  |                    |            | Type                                  | Depth |                               |                             |
| 1       |             |                                  |                    |            |                                       |       |                               |                             |
| 2       |             |                                  |                    |            |                                       |       |                               |                             |
| 3       |             |                                  |                    |            |                                       |       |                               |                             |
| 4       |             |                                  |                    |            |                                       |       |                               |                             |

N.B: Please add rows as required.

(b) Detail Experience in providing Liner Hanger Services during last 7 (seven) years preceding bid (EOI) publication date.

| Sl. No. | Contract No | Name & contact details of client | Type of Liner Hanger Service | Place of operation | Well Depth | Commencement date of contract | Completion date of contract |
|---------|-------------|----------------------------------|------------------------------|--------------------|------------|-------------------------------|-----------------------------|
| 1       |             |                                  |                              |                    |            |                               |                             |
| 2       |             |                                  |                              |                    |            |                               |                             |
| 3       |             |                                  |                              |                    |            |                               |                             |
| 4       |             |                                  |                              |                    |            |                               |                             |

N.B: Please add rows as required.

\*\*\*\*\*

**DETAILS OF CURRENT WORK IN HAND AND OTHER CONTRACTUAL COMMITMENTS OF SERVICE  
PROVIDER / VENDOR / CONTRACTOR:**

**(a) For Cementing Service:**

| Sl. No. | Contract No | Name & contact details of client | Place of operation | Well Depth | Details of casing strings cementation |       | Commencement date of contract | Completion date of contract |
|---------|-------------|----------------------------------|--------------------|------------|---------------------------------------|-------|-------------------------------|-----------------------------|
|         |             |                                  |                    |            | Type                                  | Depth |                               |                             |
| 1       |             |                                  |                    |            |                                       |       |                               |                             |
| 2       |             |                                  |                    |            |                                       |       |                               |                             |
| 3       |             |                                  |                    |            |                                       |       |                               |                             |
| 4       |             |                                  |                    |            |                                       |       |                               |                             |

N.B: Please add rows as required.

**(b) For Liner Hanger Service:**

| Sl. No. | Contract No | Name & contact details of client | Type of Liner Hanger Service | Place of operation | Well Depth | Commencement date of contract | Completion date of contract |
|---------|-------------|----------------------------------|------------------------------|--------------------|------------|-------------------------------|-----------------------------|
| 1       |             |                                  |                              |                    |            |                               |                             |
| 2       |             |                                  |                              |                    |            |                               |                             |
| 3       |             |                                  |                              |                    |            |                               |                             |
| 4       |             |                                  |                              |                    |            |                               |                             |

N.B: Please add rows as required.

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## CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

|                                                                                                                                                                                                                                                                                         |                                         |                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| TO BE ISSUED BY PRACTISING <b>CHARTERED ACCOUNTANTS' FIRM</b> ON THEIR LETTER HEAD                                                                                                                                                                                                      |                                         |                                         |
| <b><u>TO WHOM IT MAY CONCERN</u></b>                                                                                                                                                                                                                                                    |                                         |                                         |
| This is to certify that the following financial positions extracted from the audited financial statements of M/s..... (Name of the Bidder/ Vendors/Contractors/Service Providers) for the last three (3) completed accounting years upto ..... <b>(as the case may be)</b> are correct. |                                         |                                         |
| <b>YEAR</b>                                                                                                                                                                                                                                                                             | <b>TURN OVER</b><br>(In US \$ Million)* | <b>NET WORTH</b><br>(In US \$ Million)* |
|                                                                                                                                                                                                                                                                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                         |                                         |                                         |

\*Rate of Conversion (if used any): USD 1.00 = Currency .....

Place:

Date:

Seal:

Membership No. :

Registration Code:

Signature:

⌘⌘⌘⌘⌘⌘⌘⌘⌘⌘⌘⌘⌘

**PARENT/ULTIMATE PARENT/HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL  
STANDING**

**(Delete whichever not applicable)**  
(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

**DEED OF GUARANTEE**

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s ..... (mention complete name) a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

**WHEREAS**

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their EOI/Tender No. \_\_\_\_\_ for \_\_\_\_\_ and M/s \_\_\_\_\_ (Bidder) intends to bid against the said tender and desires to have Financial support of M/s \_\_\_\_\_ [Parent/Ultimate Parent/Holding Company(~~Delete whichever not applicable~~)] and whereas Parent/Ultimate Parent/Holding Company(~~Delete whichever not applicable~~) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date/EOI publication date.
3. The Guarantor have an annual financial turnover of minimum **US\$** ..... during any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
4. **Net worth** of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. The Guarantor represents that:
  - (a) this Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.
  - (b) the liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.
  - (c) this Guarantee has been issued after due observance of the appropriate laws in force in Gabon.

- (d) this Guarantee shall be governed and construed in accordance with the laws in force in Gabon and subject to the exclusive jurisdiction of the courts of ....., Gabon.
- (e) this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
- (f) the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For and on behalf of  
(Bidder)

For and on behalf of  
(Parent/Ultimate Parent/Holding  
Company)(Delete whichever not applicable)

Witness:

1.

2.

Witness:

1.

2.

**ANNEXURE-VI**

Format of undertaking by Bidders towards key personnel meeting the requisite qualification & experience and can deploy them for job execution in the event of an Agreement.

(To be typed on the letter head of the bidder)

Ref. No \_\_\_\_\_

Date \_\_\_\_\_

**Sub: Undertaking for Key Personnel with requisite qualification & experience for deployment in the event of an Agreement**

**Ref: Your EOI/tender No.** \_\_\_\_\_ **Dated** \_\_\_\_\_

To,  
The GM-GABON PROJECT  
GABON PROJECT,  
OIL, LIBREVILLE(GABON)

**Sir,**

With reference to our offer/quotation against your above-referred EOI/tender, we hereby undertake that we have the key personnel meeting the requisite qualification & experience and can deploy them for job execution in the event of an Agreement.

We also agree that, in case any of the information/documents submitted by us are found to be false/ inconsistent, OIL has right to reject our EOI/bid at any stage and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,  
For (type name of the firm here)

Signature of Authorised Signatory

Name :

Designation :

Phone No. :

Place :

Date :

(Affix Seal of the Organization here, if applicable)

Format of undertaking by Bidders towards submission of authentic information/documents  
(To be typed on the letter head of the bidder)

Ref. No \_\_\_\_\_

Date \_\_\_\_\_

**Sub: Undertaking of authenticity of information/documents submitted**

**Ref: Your EOI/tender No.** \_\_\_\_\_ **Dated** \_\_\_\_\_

To,  
The GM-GABON PROJECT  
GABON PROJECT,  
OIL, LIBREVILLE(GABON)

**Sir,**

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the EOI/tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our EOI/bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,  
For (type name of the firm here)

Signature of Authorised Signatory

Name :

Designation :

Phone No. :

Place :

Date :

(Affix Seal of the Organization here, if applicable)