

## Annexure-I

**OIL INDIA LIMITED**  
(A Government of India Enterprise)  
P.O. Duliajan-786602, Assam, India  
E-mail: [material@oilindia.in](mailto:material@oilindia.in)

**INVITATION FOR BID**  
**NATIONAL COMPETITIVE BID**

OIL INDIA LIMITED invites National Competitive Bid (NCB) through its e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for the following items:

<b>Tender No</b>	<b>Bid Closing/ Opening Date</b>	<b>Item &amp; Qty</b>
<b>SDI3039P17/P4</b>	<b>29.12.2016</b>	Crew Cabin, Qty = 05 Nos
<b>SDI3020P17/P3</b>	<b>29.12.2016</b>	Triangular Lattice Tower, Qty. – 05 Nos
<b>SDI3064P17/P3</b>	<b>29.12.2016</b>	Transformer, Qty. – 02 Nos
<b>SDI3065P17/P4</b>	<b>29.12.2016</b>	Wide Format Plotter, Qty. – 1 No
<b>SDI3078P17/P6</b>	<b>05.01.2017</b>	Supply, Installation & Commissioning Of Ambient Air Quality Monitoring System, Qty. – 1 No.

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents **till One week prior to bid closing date..** The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website [www.oil-india.com](http://www.oil-india.com).

**NOTE:** All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e- portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



**OIL INDIA LIMITED**  
(A Government of India Enterprises)  
PO : Duliajan – 786602  
Assam (India)

TELEPHONE NO: (91-374) 2808719

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Email: ankurjyoti\_sarmah@oilindia.in ; erp\_mm@oilindia.in

**FORWARDING LETTER**

**Tender No.** : SDI3039P17 DT: 19.11.2016

**Tender Fee** : Rs 1,000.00

**Bid Security Amount** : Applicable

**Bidding Type** : SINGLE STAGE COMPOSITE BID SYSTEM

**Bid Closing on** : As mentioned in the e-portal

**Bid Opening on** : -do-

**Performance Security** : Applicable

**Integrity Pact** : Not Applicable

OIL invites Bids for **Procurement of Engineer Cum Crew Cabin, Qty – 05 Nos.** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

The general details of tender can be viewed by opening the RFx [ Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and details uploaded under Technical RFx.

**The tender will be governed by:**

- a) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL's ERP MM Deptt at following: Tel Nos = 0374-2807171 , 0374-2807192. Email id = [erp\\_mm@oilindia.in](mailto:erp_mm@oilindia.in).
- b) OIL's office timings are as below:

	Time (in IST)
Monday – Friday	07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM
Saturday	07.00 AM to 11.00 AM
Sunday and Holidays	Closed

Vendors should contact OIL officials at above timings only.

c) **OIL Bank Details :**

	<b>Bank Details of Beneficiary</b>	
<b>a</b>	Bank Name	STAE BANK OF INDIA
<b>b</b>	Branch Name	Duliajan
<b>c</b>	Branch Address	Duliajan, Dist-Dibrugarh
<b>d</b>	Banker Account No.	10494832599
<b>e</b>	Type of Account	Current Account
<b>f</b>	IFSC Code	SBIN0002053
<b>g</b>	MICR Code	786002302
<b>h</b>	SWIFT Code	SBININBB479
<b>i</b>	Contact No.	9435554859
<b>j</b>	Contact Person Name	Mr. K.L.K. Banik, AGM
<b>k</b>	Fax No.	0374-2802729
<b>l</b>	Email Id	<a href="mailto:sbi.02053@sbi.co.in">sbi.02053@sbi.co.in</a>

- d) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- e) Technical specifications and Quantity as per **Annexure – 1A**.
- f) The prescribed Bid Forms for submission of bids are available in the Technical RFx-> External Area - > Tender Documents.
- g) Amendments to the NIT after its issue will be published on OIL’s website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- h) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- i) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the **Technical RFX Response**.

## **Special Notes:**

**1.0 Vendors having OIL's User ID & password may pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).**

**Vendors who do not have OIL's User ID & password, may generate User ID & password online by the Vendor by using the link for supplier enlistment given in OIL's e-tender portal and then pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).**

**Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in the form of crossed "Payee Account only "Bank Draft/Bankers' Cheque drawn by Bank and valid for 90 days from the date of issue of the same or in the form of Indian Postal Orders payable to the OIL is to be sent to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the Bid closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ..." for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER\_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site [www.oil-india.com](http://www.oil-india.com).**

### **NOTE:**

**In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they shall apply to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of Tender Fee upto one week prior to the Bid closing date (or as amended in e-portal).**

**2.0 The tender is invited under SINGLE STAGE- COMPOSITE BID SYSTEM. The bidders are required to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic format in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.**

**2.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only.**

**3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **DGM- Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.**

- a) Original Bid Security**
- b) Detailed Catalogue (if any)**
- c) Any other document required to be submitted in original as per tender requirement**

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in Duplicate.

**4.0 Benefits to Micro & Small Enterprises (MSEs) as per OIL's Public Procurement Policy for Micro and Small Enterprises (MSEs) shall be given. Bidders are requested to go through ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous**

**Tenders for more details. MSE bidders are exempted from submission of Tender Fees and Bid Security/Earnest Money provided they are registered for the items they intend to quote.**

5.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

7.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. **However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC) contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.**

9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

10.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

11.0 If Bank Guarantee is submitted towards 'Bid Security', then bidders have to ensure that the Bank Guarantee issuing bank indicate the name and detailed address (including e-mail) of their higher office from where confirmation towards genuineness of the Bank Guarantee can be obtained.

**NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.**

**Yours Faithfully**

**Sd-**

**(A J SARMAH)  
DY. MANAGER MATERIALS (IP)  
FOR DGM-MATERIALS**

**Tender No & Date: SDI3039P17 DT: 19.11.2016****BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<b><u>Criteria</u></b>	<b>Complied / Not Complied. (Remarks if any)</b>
<p><b>1.0 BID REJECTION CRITERIA (BRC):</b></p> <p>The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p><b>A) TECHNICAL:</b></p> <p>1) Bidder should have the experience of successfully executing at least 1(one) similar order for <b>Rs 20.60 Lakhs</b> in preceding 5(five) years as on the original Bid Closing Date.</p> <p><b>"Similar Order"</b> shall mean: <u>Order for Designing, Fabrication, Testing and Supply of fabricated Steel Cabins to any Govt. organization/ PSU/ Central Govt./ Public Limited Company, having specification similar to NIT specification.</u></p> <p>Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as</p> <ol style="list-style-type: none"> <li>Satisfactory Inspection Report (OR)</li> <li>Satisfactory Supply Completion / Installation Report (OR)</li> <li>Consignee Receipted Delivery Challans (OR)</li> <li>Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR)</li> <li>any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above.</li> </ol> <p><b>B) FINANCIAL</b></p> <p>a) Annual Financial Turnover of the bidder during <b>any of preceding 03 (three)</b></p>	

**financial / accounting years from the original bid closing date should be at least Rs 20.60 Lakhs**

b) Net Worth of the firm should be Positive for preceding financial / Accounting year.

**Note -For (b) & (c):** 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 bid closing 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..... (As the case may be) has actually not been audited so far’.

**Note:** For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

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-II.

**OR**

ii) Audited Balance Sheet along with Profit & Loss account.”

### **C) COMMERCIAL:**

i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.

ii) Bid security:

The bid must be accompanied by Bid Security of **Rs 82,500.00** in OIL's prescribed format as Bank Guarantee or a Cashier's cheque or Demand Draft in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 6 months from Bid closing date. (i.e. upto 29/06/2017).** Cashier's cheque or Demand Draft shall be valid for minimum 90 days or as per RBI's guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam

**Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.**

**If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.**

For exemption for submission of Bid Security, please refer Clause No. 8.16 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

**The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.**

iii) Bids are invited under “Single Stage Composite Bid System”. Bidders have to submit both the “Techno-commercial Unpriced Bids” and “Priced Bids” through electronic form in the OIL’s e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

iv) Performance Security:

The successful bidder shall submit Performance Security @ 10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order and forfeit the Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be in any one of the following forms :

(a) A Bank Guarantee in the prescribed OIL’s format valid for 3(three) months beyond the Warranty period indicated in the Purchase Order /contract agreement.

(b) A Cashier's cheque or Demand Draft with validity of minimum 90 days or as per RBI’s guidelines, drawn on “Oil India Limited” and payable at Duliajan, Assam.

The Performance Security for capital nature items like plant and machinery etc. shall be valid for 12 months from the date of commissioning plus 3(three) months or 18 months from the date of shipment/despatch plus 3(three) months whichever concludes earlier. However, for consumables like chemicals, cement, tubular etc. the Performance Security shall be valid for 12 months from the date of shipment/despatch plus 3(three) months.

**The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.**

v) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.



vi) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii) All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.

viii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.

**ix). A bid shall be rejected straightway if it does not conform to any one of the following clauses:**

**(a) Validity of bid shorter than the validity indicated in the Tender.**

**(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.**

**(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.**

**(d) In case the Party refuses to sign Integrity Pact.**

**(e) Annual Turnover of a bidder lower than the Annual turnover mentioned in the Tender.**

**x) Delivery period: Bidder should confirm in their offer to supply the ordered item within 06 months from the date of placement of PO.**

## **2.0 BID EVALUATION CRITERIA (BEC)**

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.

### **A) TECHNICAL:**

1. The manufactured product should be strictly as per OIL’s tender specification.

### **B) COMMERCIAL:**

i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

ii) A job executed by a bidder for its own organization / subsidiary cannot

<p>be considered as experience for the purpose of meeting BEC.</p> <p>iii) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.</p>	
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**NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the terms and conditions of NIT.**

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## TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No &amp; Date: SDI3039P17 DT: 19.11.2016

	Complied / Not Complied. (Remarks if any)
<p><b><u>ITEM NO. 10</u></b></p> <p><b>Procurement of Engineer cum Crew Cabin (QTY = 05 Nos)</b></p> <p>Details of Engineer cum Crew Cabin are as follows:</p> <p><b>SCOPE OF WORK:</b></p> <p>The scope of work covers fabrication and supply of Engineer cum Crew cabins having specified external dimensions complete with G.I. Rock wool insulation, panelling, electric fittings, furniture and other equipments to be provided in the Cabins for site personnel. Cabins shall be used as portable modules and shall be deployed at Workover Wells in various operational areas of OIL. The scope of work covers all the points stated under various heads below. The crew cabin should be provided with suitable lifting and handling facilities.</p> <p><b>A.GENERAL DESIGN &amp; CONSTRUCTION:</b></p> <p><b>1. Main Shell:</b></p> <p>The main shell should have 03(three) compartments of following size:</p> <ul style="list-style-type: none"> <li>a. Engineer's office: 3000mm (L) X 2500mm (W) X 2500mm (H)</li> <li>b. Crew Rest Room: 3500mm (L) X 2500mm (W) X 2500mm (H)</li> <li>c. Store Room: 2500mm X 2500mm (W) X 2500mm (H)</li> </ul> <p>The structural framework fabrication of the main shell should be of integral and all welded type, comprise of the main skid, base frame, overall framework, internal &amp; external cladding with insulation and other peripherals, sloping self-draining roof and desired doors &amp; windows etc. Steel forged lifting hooks or corner casting arrangement with 50 mm holes in all 04(four) corners of the Cabin should be welded with the main corner vertical support posts for lifting the Cabin from top. The corner castings to be provided are similar to marine freight containers. The entire welding process is to be executed by Certified Welder using IS quality electrodes.</p> <p><b>2. Base Frame:</b></p> <p>The 03(three) runner Base frame should be fabricated and welded out of tested quality MS Steel Channels of size: ISMC 125 mm x 65 mm with minimum 06(six) nos inter connecting cross members of same size duly welded lengthwise &amp; breadth wise maintaining conveniently equal distance.</p> <p>The dimensions of the Base Frame should be: Length: 9000mm &amp; Width: 2500mm.</p> <p><b>3. Main Skid:</b></p> <p>The main skid should be 3(three) runner oilfield type skid fabricated out of ISMB200 X100mm,</p>	

reinforced with min 5nos cross member.

The ends of the skid should be projected out by 300mm and curved upwards. 150 NB X 11mm thick pipe with provision for lifting should reinforce the end of skid for tail boarding.

The Base frame of the Cabin should be mounted on the main skid and should be made in such a way that no foundation is needed for placement of the Cabin at the well site.

The dimensions of the Main Skid should be: Length: 9600mm & Width: 2000mm.

#### **4. Flooring:**

The entire flooring of the Engineer cum Crew cabin should be of 6.0mm thick M.S Chequered plate, welded lengthwise and breadth wise properly with the base frame of the Skid.

The Chequered plate floor of the Engineer's office room & Crew rest room should be covered with min 3.0mm premier Vinyl Mat on the top.

#### **5. Walls of the Cabin:**

##### **a. Front & Rear Wall Framing:**

- i. Top Member: ISMC 100mm X 50mm X 7.5mm
- ii. Longitudinal Member: RHS 66mm X 33mm X 4.5mm
- iii. Vertical Member: RHS 66mm X 33mm X 4.5mm
- iv. Partition Wall: SHS 72mm X 72mm X 4.8mm
- v. Door Pillar: SHS 72mm X 72mm X 4.8mm

##### **b. Side Wall framing:**

- i. Top Member: ISMC 100mm X 50mm X 7.5mm
- ii. Longitudinal Member: RHS 66mm X 33mm X 4.5mm
- iii. Vertical Member: RHS 66mm X 33mm X 4.5mm
- iv. All Corners: 91.5mm X 91.5mm X 5.4mm

##### **c. Partition Wall Framing:**

- i. Longitudinal Member: RHS 66mm X 33mm X 4.5mm
- ii. Vertical Member: RHS 66mm X 33mm X 4.5mm

The exterior cladding of the shell [all four walls] should be constructed with 3.15mm [1/8"] thick MS crimped plates welded to the bottom MS channel frame, corner posts, top frame and roof frame.

All gaps should be sealed at edges, at seams and bottom sills to prevent ingress of insects, moisture etc.

#### **6. Roof:**

The roof should have sloping from the centre towards the walls for efficient drain of rainwater. The roof should be fabricated out of 3.15mm [1/8"] thick plain MS plates welded with adequately pressed reinforced sections from inside for additional strength. The size of the roof members is as follows:

- a. Truss & Purlin: SHS 50mm X 50mm X 4.5mm
- b. Ceiling: SHS 40mm X 40mm X 4.0mm

#### **7. Inner Panelling:**

12.0 mm ply wood boards with 1 mm laminate (Pre laminated boards) as per IS 5509 manufactured by reputed manufacturer viz. Kitply, Greenply, ITC etc. should be screwed on the side wall on the internal 'Z' sections / square tubes. All vertical & horizontal corners should be neatly finished with aluminium anodized heavy gauge aluminium angles & flats and the vertical joints of the panels should be fixed with decorative PVC bidding patties / aluminium patties to match with the colour of panels for better aesthetic appearance. The internal panelling of the roof should be of 12.0 mm heat proof white particle boards with aluminium anodized bidding patties. The ceiling of the roof should be suspended from inside on suitable 'Z' section / angle framework.

#### **8. Insulation:**

75 MM thick thermo cool/ mineral glass wool / fiberglass resin bonded wool conforming to IS 8185 of 1976 should be provided on all side walls, end walls, roof with special weather proof adhesives. The thermal insulation should be heat proof, fire retardant, non-hygroscopic, vermin proof and besides having excellent thermal efficiency & acoustic performance.

Insulation is required only for Front, Rear, End & Partition walls of the Engineer & Crew rest room and not required for the Godown Front, Rear & End walls. However, the roof insulation is required in the Godown room also.

#### **9. Doors & Windows:**

a. Doors: There should be 3nos door in the front side- 1no each for Engineer's room, Crew rest room & Godown of following size:

i. 2000mm (H) X 900mm (W) with folding rain shed of size 1500mm (L) X 1000mm (D) made out of 2.0mm MS plate with hook & tie rod.

Door should be outer side open able type.

The vertical doorframe should be made out of SHS 72mm X 72mm X 4.0mm.

The main door panel should be made out of SHS 38mm X 38mm X 4.0 mm with cross members.

The external side should be cladded with 2.0mm MS plate for all the doors.

However for the internal side should be cladded with 38.0mm plywood board, hot pressed and phenol bonded with decorative laminated sheets similar to interior finish.

Doors should have the provision of locking arrangement externally and with rubber gaskets packing all around door frame for complete weather proof.

1no door of suitable size with locking arrangement should be provided in between Crew cabin and attached godown in suitable position.

b. Windows: There should be 02(two)nos 2 panel Window of size 1200mm (H) X 1000mm (W) with frame made out of 25mm X 25mm X 4mm MS angle and 2 mm MS sheet each for Engineer's office & Crew Rest room and 1(one) no single panel Window of size 1200mm (H) X 500mm (W) on the side wall of Engineer's room. There should be a half Window / Ventilator in Store room. There should be folding type rain shed (Height same as doors, width suitable for each window) made out of 2.0mm MS plate with hook & tie rod. Anti-pilferage MS decorative grills should be provided in all the windows.

#### **10. Welding Procedure:**

All welding procedure should be followed as per standard norms & done by certified welder. All welding electrodes should be as per IS: 814. There should be minimum 3(three) layers of

welding & all welds should be visually inspected / examined. The critical welds should be subjected to radiography test, magnetic particle test and dye penetration test. Necessary test certificate must be shown at the time of inspection & provided along with dispatch documents.

#### **11. Surface Preparation:**

After completion of all fabrication jobs, the surface preparation should be carried as follows:

- i. All welds should be made free of slag, slag inclusion, pinholes, spatters etc. Scrapping & Wire brushing should be carried out on all steelworks after removing all oil & grease deposit if any using approved degreasing agent & solvent.
- ii. Sand / shot blast cleaning should be carried out in a controlled blasting shop & not during inclement weather conditions.
- iii. The air used during blast cleaning & after cleaning should be dry & free from moisture & all oil contamination.
- iv. All sand / shot blast cleaned surfaces should be coated with the prescribed primer within 4(four) hours of blasting.

#### **12. Painting:**

- i. Zinc rich epoxy primer of 90-100 micron DFT should be applied all over the Cabin [interior & exterior], Skid, Under frame, Ladder etc.
  - ii. High Build Epoxy Polyamide paint of 125-150 micron DFT followed by 50-60 micron DFT polyurethane paint of Grey colour should be applied on the exterior Cabin wall surface. The same paint combination but of bright yellow colour should be applied on the exposed walls of Store room.
  - iii. Synthetic Enamel paint of 90-100 micron DFT of Black colour should be applied on the Skid of the tank.
- Paint should be of make Berger, Akzonobel, Shalimar, Nerolac etc.

#### **13. Material Specification: Material for fabrication of Cabin should be as follows:**

- i. Beam, Channel, Angle, Plate etc.: as per IS-2062, Make: SAIL/TATA/ESSAR only.
  - ii. SHS & RHS: as per IS-1161, Make: SAIL/TATA/ESSAR only
  - iii. Tail Boarding Pipe: ASTM-A106 Gr.B- Sch160-150mm NB X 11.0mm thick.
- Documentary evidence regarding the purchase of the above material is to be provided to OIL during the time of inspection failing which the order is liable for rejection.

#### **14. Detail Drawing of the Engineer cum Crew Cabin:**

- a) Bidder must forward, along with the quotation, the detailed drawings & specifications of proven design including each and every part (main shell, base frame, skid, flooring, side & end wall, roof, weather shed/rain shed, insulation, inner panelling, doors, windows, shelf etc.), for technical scrutiny; else technically scrutiny of the offer will not be carried out.
- b) The successful bidder shall make final drawings of the cabin with constructional details to meet OIL's specifications / requirements and shall submit the same for OIL's approval within 07 days time from the date of placement of firm order. OIL will communicate the approval along with any changes / modification, if required and the Cabins shall be constructed as per approved drawing.

#### **B. Electricals:**

1. The following electrical items shall be provided in the Office room, Crew room and Store room of each bunk house:

a) **Main switch and Plug-Socket:** One 63 Amps SPN main switch, metallic enclosure with side handle shall be mounted outside the cabin. Additionally, one 63 Amp, 5- pin plug socket should be provided for connection and disconnection of incomer cable. Make of switch socket # BCH, type DS. Both the main switch and plug socket should be provided with suitable shed for protection against rain.

**b) Distribution Box:** One no. Metallic body, 12 way MCB DB with 63 Amps double pole, 100 mA ELCB as incomer, 6 nos. 10 Amps MCB, and 2 nos. 20 Amps MCB as outgoing shall be provided inside the crew cabin. All MCBs shall be 10 kA, C curve. DB shall be complete with 63 Amps bus bars and shall be as per IP-21. All circuits shall be marked on DB with paint or metallic marker.

c) **Lights:** Mirror optic energy efficient LED downlighter (14W each), surface mounted, 2 (two) nos. for the office room, 2(two) nos. for the crew rest room, 2(two) nos. for the store room, and 2(two) nos. as spares (loose supply) shall be provided. Total number of LED downlighter-8 (eight) nos. per bunk house. Light fittings shall be ceiling mounted and arranged to provide optimal illumination. Model shall be approved by Electrical Engineering department.

d) **Lights (external):** Bulkhead type fitting, with metal grid protection # 1 No. This fitting should be fitted in a recess space in the external wall.

e) **Wall socket (metal clad):** 1 (one) no. 20 Amps metal clad socket at store room shall be provided. The sockets shall be mounted in metallic enclosures and have suitably rated MCBs as switches. Matching plugs for the sockets will also be provided.

f) **Wall sockets (Bakelite):** Each cabin should have one switch board for lights & fans. Each switch board shall have two numbers of Bakelite switch sockets of combination type (3 pin, 5Amps). There should be 1no additional switch board with 2nos Bakelite switch sockets of combination type (3 pin, 5Amps) to be provided on the opposite wall of the door in a convenient place for bith Engineer's office room & Crew Cabin. Individual switches shall be provided for each electrical fitting. Switch board power supply shall be provided from individual MCB of the DB.

g) **Wall mounted Fans:** 4 (four) nos. of wall mounted fan in the crew rest room, and 2 (two) nos. wall mounted fan in office room shall be provided. (Total wall mounted fan- 6 nos.).

h) Wall mounted fans shall have 400 mm sweep and be equipped with in-built speed regulator with OFF position. Model shall be approved by Electrical Engineering Department.

i) **Exhaust Fans:** 1(one) no. of exhaust fan in the office room, 1 (one) no. of exhaust fan in the crew rest room and 1 (one) no. of exhaust fan in the store room shall be provided. Exhaust fan openings shall be provided with rain protection shed and guard. Exhaust fans shall be silent, heavy duty and have 300 mm sweep and 900 RPM. Total exhaust fan- 3 (three) nos.

j) **Earthing point:** Two cabin earth points (on the skid or body, outside, diagonally opposite) shall be provided for final termination of earth wires for connection to earth electrodes outside.

## 2. Specifications of Materials (Electrical):

a) All wiring from MCB DB to switchboards/ points/ sockets etc. shall be concealed type inside the panelling, running through PVC conduit.

b) Medium grade, ISI approved, FR PVC conduits shall be used for wiring. Conduit size and no. of wires in conduit shall be as per IS. Corners shall be rounded elbow type for ease of insertion of wires.

c) The wiring cable shall be PVC insulated, 1100 V grade, fire-retardant, multi-stranded, flexible copper conductor and approved by ISI, Fire Insurance Authority & Tariff Advisory Committee.

d) All wires shall be colour coded as Red for Phase, Black for neutral and Green for earth. All wire ends in DB, Main Switch and Socket outlets shall have copper lugs of Dowells.

e) All points shall have individual switches and independent neutral wire. Separate switchboards shall be provided for each room. All light and fan points shall be suitably distributed in the switchboards with individual switches.

f) Earth points for socket outlets, fans etc. Shall be individually wired with insulated wires to switchboards and then to MCBDB earth bus. MCBDB earth bus shall be connected to earth points at SPN fitted outside with 10 sqmm insulated copper wire. No earth connection shall be made directly to any point of the metallic shell of the bunk house. A GI strap of suitable length and size shall be fixed on the outside wall and the earth connection from SPN to the stud or hole on the skid shall be made.

g) Switchboards/sockets shall be made of 1.6 mm thick MS boxes having 3.0 mm thick white coloured, Hylam sheet. All switches and switch-sockets shall be flush mounted with the inside wall/panel of the room. Suitable arrangement for mounting of the board shall be made for this purpose.

h) All switches and switch-sockets shall be flush type.

### **3. Cable Sizes:**

a) All cables shall be Fire-retardant, Low Smoke (FRLS), and of multi-stranded copper conductor (BIS compliant), colour coded (Red for phase, Black for neutral, green for earth).

b) 1.5 sq mm copper cable with insulated copper earth wire of 1.5 sq mm for point wiring.

c) 2.5 sq mm copper cable with 2.5 sq mm insulated copper earth wire for circuit wiring from DB to switchboard and 5 Amp sockets.

d) 4.0 sq mm copper cable with 4.0 sq mm diameter insulated copper earth wire for power sockets.

e) The main switch outgoing shall be wired to the DB with 10 sq mm (for phase, neutral and earth) PVC insulated, 1100 V grade, fire-retardant, multi-stranded flexible copper conductor.

### **4. Following shall comprise the electrical scope of work:**



a) Bidder shall submit electrical schematic drawings, Electrical layout plan, and indicative bill of materials (BOM) along with the quotation.

b) In case of order, successful bidder has to submit detailed electrical drawings, bill of materials and specifications of all electrical items/materials, light fittings, fans etc. before start of work. OIL shall make modifications/corrections (if any) in the drawings/BOM as deemed necessary. All modifications in the drawings, work plan and item descriptions as required by OIL shall have to be agreed by the bidder. After making necessary amendment/corrections in the drawings/BOM as required by OIL, bidder shall re-submit the drawings for OIL's approval.

c) The electrification job shall start only after approval of drawings and samples of material by DGM-Electrical in writing.

d) Entire electrical installation work has to be done by licensed electrician as per CEA Regulations and NEC codes.

e) Inspection: OIL shall conduct inspection at various stages of work progress, inspection of wiring work before fixing of panels/inner walls, Final pre-dispatch inspection etc. If any other inspection is deemed necessary by either party, it shall be mutually agreed beforehand. Bidder shall notify OIL for at least 15 (fifteen) days in advance of each inspection.

f) Test report of the entire electrical work as per CEA Rules & Regulations will have to be submitted to OIL after completion of the job.

g) The electrical work shall be treated as complete once installation, testing & commissioning of electrical works are accepted by DGM-Electrical and submission of test report for electrical works (as installed), drawings, & list of electrical items used, spares for lighting system by the party.

h) Guarantee Certificates of fans, light fitting etc. shall be provided along with the supply of materials.

#### **5. Special Notes for Electricals of the crew hut/bunk house:**

a) All Electrical schematics, electrical drawings, make and model of electrical fittings have to be approved by Oil India Limited before assembly and manufacture of the crew hut/bunk house.

b) Indicative makes of Electrical Items: The electrical items used should have a proven track record of good performance. The indicative makes of electrical items are as follows:

i) Main Switch: Havells / GE / BCH / CG

ii) MCB DB, MCB and ELCB: Legrand / Havells / Merlin Gerin/ Schneider / Siemens/Indoasian

iii) Lights: Philips / CG / GE / Bajaj / Havells

iv) LED Lights: Philips / CG / GE / Bajaj / Havells/ Syska

v) Metal Clad Wall plug & Socket: Legrand / Merlin Gerin / Schneider/ Siemens

vi) Switches and sockets (Bakelite): Anchor (BIS marked)

vii) Wall mounted fan and exhaust fan: Usha / CG / Bajaj / Orient

viii) Fire retardant PVC conduit: AKG / Plaza / Finolex / Havells

ix) Wires & Cables: Finolex / Havells/ KEI

**C. Furniture:** All offered furniture should be of good quality & as per make wherever mentioned. Bidder should forward catalogue, drawing (with specification) of all items without which the bid will be liable for rejection. Furniture should be supplied as per following description:

**1. Crew Cabin:**

a) 02(two) sets of table and bench of standard height should be provided [should be shown in the drg provided by the bidder]. The table and bench frame should be made out of 25mm x 4mm thick MS Angle. Table and bench top should be made out of 25mm marine grade Greenply board as per IS:1659 with 1.0mm laminated board (pre-laminated board) suitable for extreme rough conditions. The legs of table and bench should be 40mm x 4mm thick MS SHS fixed on the floor.

b) 08(eight) nos. Godrej make Individual type Personal Steel Locker of size: 380mmX457mmX1830mm with locking arrangement & 45mm Nayyar's lock should be provided & securely fixed with one of the walls. Uniformity along the wall should be maintained for aesthetic appearance.

c) 08(eight) nos. cloth hanging hook should be fixed on the wall of the room.

d) 01(one) no. replaceable Candle type water filter of capacity minimum 20 litres should be supplied along with a stand firmly placed in one convenient corner of the room.

**2. Engineer's Cabin:**

a) 01(one) no Godrej make, model T-101, office table with drawers & locking arrangement to be provided and clamped on the floor.

b) 02(two) nos. Godrej make, model CH-7B office chairs to be provided.

c) 01(one) no Godrej make, model PCH 7001D office chair to be provided.

d) 01(one) no Godrej make, Storwels 2selves Steel locker to be provided.

**D. Ladder:** A ladder should be placed outside cabin & anchored with outer wall for fixing up slings at top of the corner.

**E. Handling of Engineer cum Crew Cabin:**

The crew cabin should be capable of being handled without any strain or damage under the following condition:

Lifting of the unit by lifting slings; separate lifting provisions should be kept on both bottom and top of the unit so that the same can be lifted by using wire ropes slings from any one of the above provisions.

To avoid any outside surface damage cause by the wire rope slings while lifting, 50mm angle should be welded all the four sides of the crew cabin 50mm below the top.

**F. Inspection:**

Each cabin should be offered for inspection to OIL as per following schedule. Prior intimation should be given well in advance for carrying out the inspection.

a) Raw Material inspection prior to starting of fabrication job. b) Any time during fabrication of skid & body but prior to cabin top fabrication job. c) Any time between completion of entire fabrication job but before blasting job. d) Any time after blasting but prior to painting. e) Any time during painting. OIL reserves the right to have more / less stage inspections with reference to the above mentioned inspection clauses. f) Cabins will be allowed for dispatch after getting clearance from the OIL's inspector.	
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### **SPECIAL NOTES:**

**a) The Bidder must have the experience of designing, fabrication & testing of fabricated Steel Cabins and must be a fabricator of Crew Cabin / Bunk House / Fabricated Steel Cabin similar to NIT specification. The Bidder must provide valid documents / certificates viz. SSI/NSIC/any other similar certificate issued by the Govt department where it should be mentioned that the Bidder is a fabricator of Crew Cabin / Bunk House / Fabricated Steel Cabin of various sizes in support of their claim of being a fabricator and provide along with the offer.**

**b) Bidder must provide detailed design & drawing of the Cabin offered along with dimensions, accessories, connections, material specifications, crimp design etc as per NIT requirement. The drawing must be submitted along with the offer for technical scrutiny. Approved drawing will be provided along with the P.O.**

**c) The bidder must confirm that all components of the Cabin should be new, unused & free from all defects.**

**d) The bidder must confirm that 'Purchase Order No.', 'Cabin Sl. No.' [will be provided by OIL's inspector], 'DRILLING TS(W/O), OIL INDIA LIMITED' will be weld written on a separate plate duly welded with the body of each Cabin.**

**e) The bidder must confirm in their bid to provide Guarantee certificate for a period of 12 months from the date of commissioning of the Engineer cum Crew cabin in well sites**

**i. for all the bought out items.**

**ii. against any physical damage due to poor workmanship, rusting/peeling off of paint & if any damages are caused due to reasons already mentioned during 12months guarantee period; the same will be repaired / repainted by the supplier free of cost.**

**The bidder will also confirm to submit the G.C along with dispatch documents.**

**f) Minor change in the specification may be done during the course of fabrication of bunk house.**

**g) All the electrical fittings should be tested by competent person holding valid electrical license. Necessary electrical test certificate duly signed by competent person holding valid electrical license and schematic diagram of wiring should be submitted along with Cabin. Bidder to confirm the same while quoting.**

**h) Bidder should forward catalogue, drawing (with specification) of all items along with the quotation wherever necessary.**

i) Bidder must confirm all the clauses of Annexure-IA and other notes point by point and the offer should be forwarded along with price break up of each and every item.

j) **PRICE SCHEDULE:** Prices should be quoted in the Price-schedule given under Annexure-HHH only. Bidders should fill up, sign and upload the price breakup of the items as per “Annexure HHH” under “Notes & Attachments” > “Attachments” only. The filled up price breakup of the items **should not be uploaded** in Technical RFx Response folder.

**NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.**

**Technical Bid Checklist****Annexure-EEE**

Tender No.			
Bidder's Name :			
		<b>Compliance by Bidder</b>	
SL. NO.	BEC / TENDER REQUIREMENTS	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Confirm that validity has been offered as per NIT.		
2	Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable) ?		
3	Confirm that you shall submit Performance security (in the event of placement of order) (Wherever Applicable) ?		
4	Confirm that duly signed Integrity Pact has been submitted as per NIT (Wherever Applicable) ?		
5	Confirm that you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)		
6	Confirm that you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.		
7	Confirm that the bid has been signed using Class 3 digital certificate with Organisation's Name as per NIT.		
8	Confirm that you have not taken any exception/deviations to the NIT .		

NOTE: Please fill up the greyed cells only.

(\*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of the purchase order cited above.

**Response Sheet****Annexure-FFF**

Tender No.
Bidders Name

**Bidders Response Sheet**

SI No.	Description	Remarks
1	Place of Despatch	
2	Whether Freight charges have been included in your quoted prices	
3	Whether Insurance charges have been included in your quoted prices	
4	Make of quoted Product	
5	Offered Validity of Bid as per NIT	
6	Bid Security Submitted (if applicable)	
6	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
7	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
8	Integrity Pact Submitted (if applicable)	
9	Whether you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)	
10	Whether you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.	
11	Delivery Period in weeks from placement of order	
12	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
13	If bidder is MSE whether you have quoted your own product	
14	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	

**NOTE: Please fill up the greyed cells only.**

(\*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETTER HEAD)  
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....  
Name of Beneficiary :M/s.....  
Vendor Code :.....  
Address :.....  
.....  
Phone No. (Land Line) :.....  
Mobile No. :.....  
E-mail address :.....  
Bank Account No. (Minimum  
Eleven Digit No.) :.....  
Bank Name :.....  
Branch :.....  
Complete Address of your  
Bank :.....  
IFSC Code of your Bank  
a) RTGS :.....  
b) NEFT :.....  
PAN :.....  
VAT Registration No. :.....  
CST Registration No. :.....  
Service Tax Registration No. :.....  
Provident Fund Registration :.....

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

Office Seal

.....  
Signature of Vendor

Counter Signed by Banker:  
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.