



**OIL INDIA LIMITED**  
**(A Government of India Enterprises)**  
**4, India Exchange Place**  
**Kolkata -1**

**TELEPHONE NO. (033) 22301657**

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**FORWARDING LETTER**

Tender No & Date : **SKI6456P15**      **Date: 02.03.2015**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Rs 46,200.00**

Bidding Type : **Single Stage Composite Bid**

Bid Closing on : As mentioned in the Basic Data of e-portal

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Performance Guarantee : Applicable

Integrity Pact : Not Applicable

Delivery Required : **At DULIAJAN, ASSAM**

OIL invites Bids for **14 nos. 20HP Submersible Pump Sets along with Installation & Commissioning as per Annexure II** through its E-Procurement site. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2010. 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 is invited with firm price for the specified quantity. Further details of tender are given below:-

1. Details of Items with Quantity and Unit of measure are as under:

SL.NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10	<b>SUPPLY AND INSTALLATION &amp; COMMISSIONING OF 20 HP SUBMERSIBLE PUMP SETS (Details as per Annexure-II)</b>	<b>14</b>	NOS.

**The tender will be governed by:**

- a) "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).
- b) Technical specifications with BEC/BRC and Qty. as per **ANNEXURE II**.
- c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) 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).
- f) Bidder are advised to fill up the Technical bid **CHECK LIST** and **RESPONSE SHEET** 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 Note:**

**1.0 General Qualification Criteria:**

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (documentary evidence to be provided along with the bid in Technical RFx -> External Area -> Tender Documents as on the Bid Closing Date:

- a) **Bidder should have experience of successfully executing similar order for at least **Rs 13.86 Lakhs** during last 3 years as on the Bid Closing Date.**

**b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than **Rs 46.20 Lakhs**.**

- 2.0 Application showing full address / e-mail address with Tender fee (non-refundable) of ₹ 1000.00 per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001. Application shall be accepted only upto one week prior to Bid Closing date. The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO SKI6456P15 dated 02.03.2015 for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfilment of eligibility criteria, 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. USER\_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

Alternatively, applicants already having User ID & Password for OIL's e-portal can pay the requisite tender fee and bid security against this tender through the online payment gateway.

On receipt of request from applicants who do not have USER\_ID and initial PASSWORD, it will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal on payment of requisite tender fees. No physical tender documents will be provided. USER\_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

PSU's and SSI units registered with NSIC claiming exemption from payment of tender fee should submit their request with all credentials at least 7 days prior to bid closing date for participation in the tender

- 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 Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001 only 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 triplicate

- 4.0 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.

- 5.0 All the Bids must be Digitally Signed using “Class 3” digital certificate (e-commerce application) with organisation name 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.
- 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-II. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria contradict the Clauses of the tender and / or “General Terms & Conditions” as per Booklet No. MM/CALCUTTA/E-01/2010 for E procurement (LCB Tenders) to General Terms and Conditions for Indigenous E-Tender 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. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

**NOTE:**

**1. Bidders should submit their bids explicitly mentioning compliance / non compliance to all the NIT terms and conditions.**

**2. PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.**

Yours Faithfully,

Sd-  
(G. C. Sarma)  
SMM(P)  
For Head-Calcutta Branch



**OIL INDIA LIMITED**  
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**ANNEXURE-II**

Tender No& Date : SKI6456P15 /08

Dated : 02.03.2015

**OIL INDIA LIMITED invites Indigenous tenders for items detailed below:**

**TECHNICAL SPECIFICATIONS WITH QUANTITY**

SI No. & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ----- 0C000456	<b><u>SUPPLY OF 20 HP SUBMERSIBLE PUMP SETS</u></b>  <b><u>DETAILS SPECIFICATION IS GIVEN BELOW</u></b>	14	NOS.
20 -----	<b>INSTALLATION &amp; COMMISSIONING</b>	01	AU

### **Details Specification for Item 10:-**

1.0 Submersible water pumps as a compact unit consisting of a submersible pump and a submersible motor with shafts connected by a sleeve and operating submerged under water.

#### **(A) Pump specifications:**

General Specifications of the pump:

Type : Submersible

Capacity : Pump should have minimum discharge of 35 M<sup>3</sup>/ Hr at a corresponding head of 60 Meter (minimum) at duty point.

Liquid : Water of Sp. Gravity 1.0

Duty : Continuous

Well Bore Dia in which pump will be lowered: 200 MM (8 inch)

Static water depth: 10 M to 20 M below ground level

Pump Delivery size: 100 MM (4 inch) NB

Bearing : Sleeve

Lubrication: Lubricated by pumped liquid (water). Bearing should be against the ingress of sand by suitable structural element.

Make: WIPL/KIRLOSKAR/KSB/MATHER or equivalent

The motor is to be coupled with the pump through a suitable coupling for easy dismantling and servicing.

The pump should conform to IS 8034:2002

#### **B) MATERIALS OF CONSTRUCTION (MOC):**

The indicative MOC of the Pump sets are given below.

Component: Material of Construction

1. Shaft sleeve Bronze grade LTB 2, 3,4 or 5 of IS 318 or 12%chromium steel grade X 04 Cr 12, X 12 Cr 12 and X 20 Cr 13 conforming to IS 6911 or IS 6603

2. Casing wear ring Bronze grade LTB 2, 3, 4or 5 of IS 318

3. Bush Bronze grade LTB 2, 3or 4 of IS 318 or Nitrile/cutless rubber

4. Discharge casing (if provided) Cast iron grade FG 200 of IS 210

5. Impeller Bronze grade LTB 2 of IS 318 or Stainless Steel Grade X 12 Cr 12 of IS 6911 or IS 6603

6. Pump bowl/diffuser Cast iron grade FG 200 of IS 210

7. Pump shaft                      Stainless steel grade X 04 Cr 12,                      X 12 Cr 12 or X 20 Cr 3 of  
IS 6603

8. Suction casing                      Cast iron grade FG 200 of IS 210

**NOTE** - (i) The materials listed are to be considered as only typical and indicative of minimum requirements of the material properties. The use of materials having better properties is not prejudiced by the details above provided materials for components in bearing contact with each other do not entail galling, corrosion, magnetic induction etc.

(ii) The bidder shall specify the tests and inspection procedures that may be necessary to ensure that materials are satisfactory for the service. Such test shall have to be mentioned in the bidder's offer. The bidder shall have to submit detail test certificates for the material testing (Material of Construction) mentioned in their offer prior to pre- dispatch inspection of the pump sets.

(iii) Water quality to be handled by the pump (indicative only):

Appearance : Clear

pH : 6.2

Turbidity : 1.0 NTU

Bi carbonate : 98.0

Salinity (NaCl) : 16.0 ppm

Chloride : 10.0 ppm

Carbonate : Nill

Silica : 34.0 ppm

Sulphate : Nill

Total Hardness : 72.0 ppm

Calcium : Nill

Magnesium : Nill

Sodium : Nill

Potassium : Nill

Iron : 1.5 ppm

Total dissolved solids: 126.0 ppm

Total suspended solids: 8.0 ppm

**(C) General Notes on pump:**

(a) The unit should be a compact one made up of a submersible pump and a submersible motor with shafts connected by a sleeve and operates submerged below the surface of water. The unit should be capable of being suspended vertically when installed.

(b) The direction of rotation should be clearly and securely marked by incorporating/embossing an arrow on the pump sets.

(c) A name plate with corrosion resistant material shall be affixed on the pump sets with details such as: IS mark, model, manufacturer's name, serial no, no of stages, RPM, suction and delivery sizes etc.

(d) The unit shall be suitably painted by water resistant paint.

- (e) Necessary clamping device for installation and subsequent operations, tools for routine maintenance etc should be provided by the supplier along with the supply.
- (f) Any special tools required for dismantling of this pump including coils of water proof tap for cable connection should be supplied along with the pumps and should be included in the offer with unit price, part no etc.
- (g) Spare parts book with part no (2 sets) for each motor, pump and any other consumable parts of the unit should be furnished along with the supply, in case of an order.
- (h) Two (2) sets of Operation and maintenance manual of each pump and motor should be supplied along with the final dispatch of the units in case of an order.
- (i) Successful bidder should emboss the OIL's respective Order No on the Pump Set's Body.
- (j) Test and guarantee certificates shall have to be provided along with the pump sets.

## 2.0 SPECIFICATIONS OF ELECTRICAL ITEMS

### A. Motor Specifications:

Motor shall be suitable for 415 +/- 10% volts, 3 Phase, 50 cycles AC supply and should withstand high voltage fluctuations. The motor shall have the following specifications.

Type	:	Submersible water filled squirrel cage AC induction Motor
HP	:	20 HP
Voltage	:	415 +/-6% V
RPM	:	to match driven loads
Frequency	:	50 Hz +/- 3% Hz
Starting	:	Star/Delta
Duty	:	Continuous
Bearing	:	Thrust bearing
Protection	:	IP 58
Standard	:	IS-9283, Motor as per cat-B
Earthing	:	As per IS-9283, 3043
Markings	:	Name plate details with name of manufacturer, frame size, rated voltage, rated output, current, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated output, degree of protection, winding connections, temp rise, bearing sizes, nominal efficiency, category of motor, ref to IS 9283, lubricant, lubrication material and year of manufacture

Suitable measures shall be taken in design for thrust control, pressure control, lubrication, winding cooling, sealing etc.

The connection designation of windings should be clearly marked at the ends. Same marking are to be provided at both ends of the cable to be connected.

### General Notes on motor:

1. Motor shall be tested as per BIS and test certificates shall be furnished with the supply.
2. The motor(s) shall be guaranteed for 1 (one) year from the date of commissioning. Guarantee certificate shall be duly signed and stamped by the supplier and shall be provided along with the supply.



## **B. Motor Cables:**

Each motor shall be supplied complete with 2 nos. 4x10 sq mm, PVC insulated motor cables of 50 mt length each with flexible copper conductors. One end of each cable shall be connected to stator winding and the joint made waterproof. Cable should conform to BIS. No joints shall be allowed.

## **C. Starter control panel specification:**

The starter for the motor shall be a DOL starter contained in a starter control panel. The starter control panel shall be industrial type, self supporting, floor mounting, built with rigid framework of suitable size MS Angle/Channel of sufficient strength with vibration dampers, dust and vermin proof made of 14SWG CRCA sheet steel, cubicle type conforming to IP54, having front hinged door with locking arrangement, danger plate fitted on body of the panel, lifting hooks on top, ventilation louvers with perforated sheet on both sides, double earthing studs on two sides complete with suitably sized zinc plated & passivated double nuts and spring washers. The overall dimensions of the panel should be limited to 1900 mm (H) x 500 mm (W). The panel shall be thoroughly cleaned by seven tank anti corrosion treatment before and then powder coated with DA grey paint as per BIS. Painting thickness shall be minimum 50m micron.

The panel shall have the following components:

Incomer: 415V, 63A rated TPN Switch Fuse unit with 63A HRC fuses as incomer, with brought out terminals of tinned copper for termination of the incomer supply cable. The unit shall be provided with adequate cable entry arrangement with detachable gland plate & single compression cable gland suitable for 1 no. 4 x 10 Sq. mm PVCA aluminium cable (supply cable). The incomer unit shall be so mounted that the lower side of the panel with cable gland for incomer cable is at a height of minimum 450 mm from floor level for ease of cable terminations.

Make: Siemens / GE

Power Contactors: 3 nos. Power contactors, AC3 duty, heavy duty, long life, with 4NC + 4NO auxiliary contacts

Make: Siemens /Schneider (Telemecanique)/GE

AC3 rating of the contactors shall be calculated for long life. 2 nos. spare potential free auxiliary contacts shall be provided with main contactors.

The control panel shall include Electronic time delay relay (0-30sec). Make: Siemens /Telemecanique of Schneider group / GE.

Protections: The motor shall have the following minimum (but not limited to) protections in the Starter panel

# Short Circuit

# Overload (through Thermal bi-metallic over load relay, range 16-24 A. Make of OLR shall be same as that of contactor)

# Phase failure (make of SPPR: Siemens / Schneider)

# Earth-leakage: EL protection shall be provided with separate CBCT & ELR

EL current Range: 0-3A, adjustable in preferred steps of 30/50/100mA

Trip Time Range: 0-5s, adjustable in preferred steps of 50/100ms.

The relay shall have indication LEDs, test push button, reset push button and shall be duly wired up to trip starter in case of earth leakage.

Make: Merlin Gerin/Legrand

# Dry Run: to prevent running the pump in dry condition Water level guard unit with probes/electrodes and adequate length of cable for connection of probe with the panel shall be provided.

Make: Minilec/L&T/Siemens

REMOTE/LOCAL switching: The control panel shall include START / STOP push buttons with separate terminal block for remote Start / Stop PB Station.

Terminals: Tinned copper brought out terminals shall be provided for all cable connections. Sufficient space shall be provided in the starter panel for cable termination, dressing and connecting cable leads to the brought out terminals.

DP MCB: 1 no., 6A DP MCB shall be fitted suitably on the side wall of panel for operation from outside the panel for pump shed lighting. Incoming power to this switch shall be tapped from the main incomer through 6 amp HRC fuse using single core 2.5 sq mm PVC insulated copper cable and shall be marked accordingly. The connection terminals of MCB should not be accessible from outside the panel.

Cable entry / termination arrangement: The panel shall have suitable cable entry arrangement with detachable gland plates for all incoming/ outgoing cables.

Single compression heavy duty nickel plated brass glands shall be provided for entry of all cables to the panel. All cable entries shall be from bottom and the detachable gland plate for all cable entries shall be at a min. height of 450mm from floor level.

Metering & indication:

The panel shall have following for meters and indication:

# Voltage of all three phases (0-500V) through voltmeter Make: AE/Conserve with inbuilt selector switch.

# Motor Current of all three phases through ammeter Make: AE/Conserve with inbuilt selector switch.

# Indications: LED type indicating lamps with complete fittings, with legend plate for 'RYB Phase Healthy', 'Motor Run', 'Motor Off', 'Motor Trip on Fault'.

#### **General Notes on starter:**

1. The Starter Control Panel shall be weatherproof with IP54 degree of protection.
2. The panel shall be thoroughly cleaned before applying 2 coats of rust preventing primer followed by two coats Siemens gray paint.
3. Bus bars of main power connection shall be 100 A tinned copper bars duly sleeved with heat shrinkable PVC sleeves. Bus bars used for the neutral shall be of same cross section as that of phases.
4. All Power wiring inside the panel shall be done with 1100V grade, PVC insulated flexible copper cable. All cables shall have tinned copper lugs for termination and ferrule numbers for proper identification.

5. All Control wiring shall be done with single core, 2.5 mm<sup>2</sup>, PVC insulated, stranded, 660V/1100V grade copper wires. The control voltage shall be 240VAC, 50 Hz.
6. Panel shall have moulded fuse holders, suitably fused, for control & instrument circuits. Make: GE
7. All wires shall have ferrule numbers for proper identification.
8. Legend plates for the indication lamps, meters, control switches / buttons and labels for the terminals shall be provided.
9. All component of the panel should be properly marked as per drawing.
10. Sufficient space shall be provided in the starter for cable termination, dressing and connecting cable leads to the brought out terminals.
11. The starters shall be inspected & tested along with the drive at the manufacturers' premises before dispatch.
12. The starter shall be guaranteed for 1 (one) year from the date of supply. Guarantee cards shall be duly signed and stamped by the supplier and shall be provided along with the supply.

**D. Incomer switch: (One no. switch for each pump set)**

Party shall supply and fix one no. switch on pump house wall. This switch shall be used as main incomer for the power supply to the pump shed. Switch shall be 32 Amps TP&N, 415V Combination Fuse Switch unit with cast iron / sheet metal clad enclosure and fitted with 32A HRC fuses. The CFS unit shall be provided with two nos. cable entry boxes with detachable gland plate & single compression cable glands suitable for incoming and outgoing cables of size: 4 x 10 Sq. mm. PVCA aluminium conductors. The CFS unit shall be mounted as mentioned under Installation and commissioning.

Make of CFS unit: GE.

**E. Documents:**

1. The following documents shall be submitted with the offer
  - a) GA and dimensional drawing of all electrical equipment.
  - b) Technical details of the Motor.
  - c) Power and control circuit diagram of control panel.
  - d) Bill of materials with technical details of various components of the Starter Control Panel.
2. The successful bidder shall obtain approval for the drawings prior to manufacturing of equipment/panel. In case the drawings and documents submitted for approval are not as per order then the order shall be cancelled. In such case the cost incurred by OIL in processing the tender shall be recovered from the party.
  - a) GA and dimensional drawing of all equipment
  - b) Power and control circuit diagrams with BOMThe manufacture of the unit is to be started only after written approval of the drawings by OIL.
3. Four bound sets of the following documents shall be submitted with the supply:
  - a) Approved GA and dimensional drawing of all equipment
  - b) Approved Power and Control circuit diagrams
  - c) Technical details of the Motor
  - d) Bill of materials with technical details of various components of the Starter Control Panel
  - e) List of recommended spares for two years
  - f) All test certificates

g) Guarantee Certificates

4. One laminated copy of the approved power & control circuit drawing shall be pasted inside of the front door of the Starter Control Panel.

**F. Spares:**

Following spares are to be provided along with the supply:

- a) TP Power Contractor used in the starter panel - 1 no. per panel
- b) O/L relay used in the starter panel - 1 No. per panel.
- c) Water level guard used in the starter panel - 1 No.

Makes of Electrical Components:

- 1. Motor: KSB/Kirloskar or equivalent
- 2. CFS/SFU: GE/Siemens
- 3. HRC fuse/fuse holders: GE
- 4. Contactors: Siemens/Telemecanique/GE
- 5. Overload relay and timer: Same make as contactor
- 6. Water level guard: Minilec/Prayog/L & T/Siemens
- 7. Meters: Automatic Electric/L & T/Rishabh
- 8. Meter selector switch: Kaycee/Salzer
- 9. LED indication lamps: Binay/Tecknik/Siemens
- 10. Terminal blocks/DIN channel: Elmex/Connectwell/Tosha

**General Notes for electrical items and works:**

- 1. Bidder shall furnish every detail of the electrical items in their offer as per above in THE SAME ORDER. All of the above shall form part of the order. Hence any deviations must be clearly mentioned which shall be securitized for acceptability. Specific type and make of components should be mentioned clearly. OIL reserves the right to accept or reject the deviations. In case of an order the complete electrical specification of the tender and the deviations accepted by OIL in writing shall be mentioned in the order. No deviation shall be allowed at the time of supply and in such case the order will be cancelled without any liability to OIL.
- 2. All electrical items shall be procured from OEM or their authorized dealers only. In case of dealers copies of valid dealership certificates shall be furnished with the offer without which the offers shall not be considered for evaluation.
- 3. The starter shall be inspected at Manufacturer's premises before dispatch.
- 4. Packing shall be adequate to avoid transit damage and water ingress.
- 5. The starter shall be guaranteed for 12 months after commissioning and guarantee certificate shall be furnished along with the materials duly signed and stamped by the supplier.

**G. Installation, testing and commissioning of items**

Pump motor & panel:

- 1. The pump set along with the motor, starter control panel and other accessories shall be installed, tested and commissioned by the supplier to full satisfaction of OIL. All items required for installation and commissioning shall be approved by OIL's Engineer In-charge.

2. All safety and local/government regulations shall be followed during installation, testing and commissioning.
3. All works of installation, testing and commissioning shall be performed under the direct supervision of an experienced licensed supervisor. All electrical works shall be done by persons having valid electrical license.
4. All works of installation, earthing, testing and commissioning shall be carried out in compliance with latest BIS, CEA Regulations 2010, Indian Electricity Acts and National Electric codes.

### **Scope of Supply and Installation by the Supplier**

1. Supply of pumpset, starter panel, cables, incomer CFS unit, water level guard
2. Supply of cable from starter to motor
3. Supply of cable from starter to water level guard probe
4. Installation of pumpset, starter panel including all accessories, incomer CFS
5. Laying and termination of main incomer cable to the incomer CFS (incomer cable to be supplied by OIL)
6. Laying and termination of cable from incomer CFS to starter panel (cable to be supplied by OIL)
7. Laying and termination of cable from starter panel to motor
8. Laying and termination of cable from starter to water level guard probe
9. Laying and termination of cable from DP MCB (mounted on starter) to light fitting inside the pump house
10. Earthing of incomer CFS, starter panel and motor (if required) with proper GI straps and earth electrodes (as per IS: 3043 and IS: 9283)
11. Testing and commissioning of the pumpset along with starter panel, accessories and all safety systems for proper functioning to full satisfaction of OIL.

All cables shall be fixed and rigidly supported using metallic saddles / clamps / MS pipes / MS angles. Spacing between saddles shall be max 300mm. Saddles and fixing hardware shall be supplied by the party. Cables from starter panel to motor/pump casing shall be protected with heavy duty GI/ Painted MS pipe. The pipe shall be fixed to the floor of the pump house with clamps.

All cables of shall be connected through suitably sized single compression glands and terminations will be made through properly rated tinned copper sweating sockets crimped rigidly to the copper conductors. All termination accessories shall be supplied by the party.

### **Special Terms and Conditions**

#### **1.0 PUMPSET:**

(a) The bidder to confirm that the submersible pump shall conform to IS 8034:2002 specifications.

(b) The bidder must submit the Performance charts of the offered pump indicating capacity, head, efficiency, size of impeller, no of stages etc. along with the offer. The performance chart should be from OEM. The bidder must mark in the performance charts the discharge, head & efficiency of the offered pump at the duty point.

(c)The bidder must submit the technical data sheet of the offered model of the pump set along with their bids.The technical data sheet should include the followings:

DATA SHEET (Including relevant parameters wrt technical specifications asked for in PR)

(i) PUMP:-

MAKE:

MODEL:

RPM:

NO OF STAGES:

Maximum head :

Minimum head :

Maximum discharge :

Minimum discharge :

BRAKE HORSE POWER (Required):

DELIVERY PIPE SIZE:

Minimum well bore dia in which the pump can be installed:

MATERIAL OF CONSTRUCTION:

Direction of rotation:

OVERALL EFFICIENCY AT DUTY POINT:

(ii) MOTOR:-

MAKE:

MODEL :

MOTOR RATING (HP):

RATED CURRENT:

NO OF PHASE:

VOLTAGE :

FREQUENCY :

STARTER:

MATERIAL OF CONSTRUCTION:

## **2.0 SERVICE:**

(i)The bidder should have an authorized service centre along with spare parts supply facilities within India. The bidder should indicate the Name & Address of the authorized service centre in their bid.

(ii) In case of any technical assistance and warranty administration, the bidder should extend the assistance within 72 hrs of call. The bidder should indicate the Name & Address of the local authorized dealer in their bid, if any.

(iii) Pump should conform to IS 8034:2002 and the bidders should provide a confirmation from OEM along with their offers.

(iv) The bidder should undertake & confirm that the equipment to be supplied are not going to become obsolete for the next 10yrs and provisioning of spares can be continued.

### **3.0 WARRANTY:**

The warranty period for the pump-set and all other accessories should be a minimum of 12 months from the date of commissioning or 18months from the date of dispatch. The relevant warranty certificate should be submitted at the time of delivery of the pump sets.

### **4.0 INSPECTION:**

(i) Oil India Ltd (OIL) will inspect the unitized Pumpset as a whole at manufacturer's work prior to despatch. Test certificate of pumps and motors has to shown at the time of inspection. However such inspection will not relieve the supplier of his responsibility to ensure that the equipment supplied conforms to the correct specifications and is free from manufacturing and all other defects

N:B: OIL shall bear the cost of travel, boarding & lodging arrangements for the deputed OIL's representative for the inspection purpose.

(ii) Supplier has to inform OIL at least two week in advance for the inspection at manufacturer's work.

### **5.0 TRIAL RUN:**

Once commissioned at designated site the pump set will be subjected to a trial run on available load for a minimum period of 5 hrs and on satisfactory performance shall be subsequently handed over to OIL

## **BID EVALUATION CRITERIA/BID REJECTION CRITERIA**

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/CALCUTTA/E-01/2010 for E-Procurement LCB 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/CALCUTTA/E-01/2010 elsewhere, those in the BRC / BEC shall prevail.

## **BID REJECTION CRITERIA (BRC):**

The bids shall conform generally to the specifications and terms as well as conditions laid out in the tender. Bids will be rejected in case the items offered do not conform to the required parameters stipulated in the technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be met by the bids, without which, the same shall be considered as non-responsive and stand rejected.

### **A – TECHNICAL**

- 1.0) Bidder should have experience of successfully executing similar order for at least **Rs 13,86,000.00** during the last three years as on the Bid Closing Date of the tender.

Note : (i) Similar Order means Purchase Order for Submersible Pumps of rating 5 HP or above in Government/Semi Government/PSU or Public Limited Company.  
ii) In case the bidder submit documentary evidences of more than one Purchase Order in support of the bid, then the total value of the Purchase Orders should be at least **Rs. 13,86,000.00** during the last three years as on the Bid Closing Date of the tender.  
iii) The bidder must submit the following as documentary evidence (attested/self attested) in support of the experience:

(a) For OIL Purchase Order, copy of "Purchase Order" of completed supply must be submitted as per BRC Clause 2.0 above.

(b) For supply to other Govt/Semi Govt/PSU or Public Limited Company, copy (s) of Purchase Order of the supply along with invoice against the purchase order or Completion certificate of the supply from the end user are/ is to be submitted.

In case the bidder submit Completion certificate from the end user, the completion certificate should clearly mention the Purchase Order No(s), Total Value of Supply and complete description of the supplied item.

- 2.0) Bidder must be an OEM of the offered submersible pump set or their authorized dealer/supplier. In case, the bidder is an authorized dealer/supplier of the OEM, then valid authorization letter from the OEM is to be submitted along with the offer.

### **B - COMMERCIAL**

- i). Bid security amounting to **Rs. 46,200.00** can be paid in three modes, viz., Bank Guarantee/ DD/ Online. Bid security in the form of Bank Guarantee as per format given in the LCB booklet MM/CALCUTTA/E-01/2010 of **Rs 46,200.00** shall be submitted manually in sealed envelope superscribed with **BID SECURITY AGAINST Tender no. SKI6456P15 dated 02.03.2015 to Head Calcutta Branch, Oil India Limited, 4 India Exchange Place, Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender. **If bid security in ORIGINAL of above mentioned amount is not received within bid closing date , the bid submitted through electronic form will be rejected without any further consideration.** In lieu, Bid Security of **Rs. 46,200.00** can



also be paid online through our e-procurement portal as per procedure given in user manual in OIL's e-procurement portal. For exemption for submission of Bid Security, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security if submitted in the form of Bank Guarantee shall be valid for 180 days more than the Bid validity, i.e., for 300 days from the date of bid validity.**

- ii). 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.
- iii). **The annual turnover in any of the last 3 (three) financial years or current financial year should not be less than Rs. 46,20,000.00.**

Note : For proof of Annual Turnover, any one of the following documents /photocopies (self attested/attested) must be submitted along with the bid :-

(a) A certificate issued by a practicing Chartered/ Cost Accountants Firm with membership no. and Firm's registration no certifying the Average Annual Turnover and nature of business.

or

(b) Audited balance sheet and profit & loss account

- iv). Successful bidder will be required to furnish a **Performance Bank Guarantee @10%** of the order value. For exemption for submission of Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

**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 Bank Guarantee should be allowed to be encashed at all branches within India.**
- 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). Validity of the bid shall be minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.
- viii). Bids containing incorrect statement will be rejected.

- ix). All the Bids must be Digitally Signed using “Class 3” digital certificate (*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” digital certificate, will be rejected.

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

### **A. TECHNICAL:**

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Rejection Criteria (BRC) will be considered for further evaluation as per the Bid Evaluation Criteria given below.

- i) All materials as indicated in the material description of the enquiry should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

Technical Requirement:

DATA SHEET (Including relevant parameters with respect to technical specifications asked for in PR)

PUMP:-

MAKE:

MODEL:

RPM:

NO OF STAGES:

CAPACITY :

BRAKE HORSE POWER (Required):

MAX HEAD & MIN HEAD:

DELIVERY PIPE SIZE:

MINIMUM BORE WELL SIZE :

MATERIAL OF CONSTRUCTION:

OVERALL EFFICIENCY AT DUTY POINT:

MOTOR:-

MAKE:

MODEL :

MOTOR RATING (HP):

RATED CURRENT:

NO OF PHASE:

VOLTAGE :

FREQUENCY :

STARTER:

MATERIAL OF CONSTRUCTION :

Note: The parties shall quote separately for the installation/testing/commissioning works giving break up of various jobs.

**B. COMMERCIAL:**

a. 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.

b. Comparison of bids will be done on the basis of #Total value# which is estimated as under:

- (A) Total Material value of Pumps.
- (B) Cost of Spares & Tools
- (C) Grand total Material Value, (A+B)
- (D) Packing & Forwarding Charges
- (E) Excise Duty
- (F) Total Ex-works value, (C+D+E) above
- (G) Sales Tax as applicable on (F) above
- (H) Total FOR Despatching station Value, (F+G) above
- (I) Transportation charges (as quoted)
- (J) Insurance charges @0.5% of Total FOR Despt. Station Value
- (K) Assam entry tax
- (L) Installation & Commissioning charges including Service Tax

c. In the event of computational error between the unit price and total price, unit price shall prevail for evaluation.

d. Similarly in the event of discrepancy between the words and figure, words shall prevail and adopted for evaluation.

e. 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.

f. Evaluation will be done on 'total contract cost' basis to ascertain the lowest bid.

**Standard Notes:**

- A. The original bid security ( Amount is mentioned above and also in Basic Data of the tender in OIL's e-portal) should reach us before bid closing date and time .Bid without original Bid Security will be rejected. In lieu, bidders can also pay the Bid Security amount online through e-procurement portal. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Collaboration folder as per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).**

- B. All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) only 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” digital certificate, will be liable for rejection.**
- C. “General Terms & Conditions” for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).**

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