



OIL INDIA LIMITED
(A Government of India Enterprises)
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Kolkata -1

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FORWARDING LETTER

Tender No & Date : **SKI7656P16** **Date: 25.06.2015**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Rs 1,30,400.00**

Bidding Type : **Single Stage Two Bid**

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

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Performance Guarantee : Applicable

Integrity Pact : Applicable

Delivery Required : **At DULIAJAN, ASSAM**

OIL invites Bids for **1 no. Diesel Engine Driven Centrifugal Pump set of Capacity 500 M3/HR (Minimum) 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	SUPPLY, INSTALLATION & COMMISSIONING OF DIESEL ENGINE DRIVEN CENTRIFUGAL PUMPSET FOR 4MGD WTP OF FIELD ENGINEERING DEPARTMENT [CAPACITY: 500 M3/HR MINIMUM] (Details as per Annexure-II)	1	NO.

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 successful execution of at least one similar order for Rs. 39.12 lakhs during last 3 (three) years as on bid closing**

date to companies under the Government, Semi Government, Public sector undertakings or Public Limited Companies.

- 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 130.40 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 SKI7656P16 dated 25.06.2015 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. SSI unit to submit valid NSIC certificate specifying the tendered item or its equivalent in their manufacturing range.**
- 3. Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid. The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions.**



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ANNEXURE-II

Tender No& Date : SKI7656P16 /08

Dated : 25.06.2015

OIL INDIA LIMITED invites Indigenous tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

SI No. & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ----- 0C000452	<u>SUPPLY OF CENTRIFUGAL PUMPSET</u> DIESEL ENGINE DRIVEN CENTRIFUGAL PUMPSET FOR 4MGD WTP [CAPACITY: 500 M3/HR MINIMUM]	1	NO.
20	INSTALLATION & COMMISSIONING	01	AU

Details Specification for Item 10:-

DIESEL ENGINE DRIVEN CENTRIFUGAL PUMPSET FOR 4MGD WATER TREATMENT PLANT [CAPACITY: 500 M3/HR MINIMUM]

UNIT CONSISTS OF PRIMEMOVER (DIESEL ENGINE), PTO (POWER TAKE OFF CLUTCH) AND PUMP (CENTRIFUGAL) ON OILFIELD TYPE SKID WITH THE FOLLOWING DETAILS.

A. PUMP

I. SPECIFICATIONS

- i. Type : Horizontal Split Casing
- ii. Stage : Single /Double Stage
- iii. Capacity : 500M3/Hr minimum
- iv. Rated Head : 200 M minimum
- v. Duty : Continuous
- vi. Application : Water Transfer Pump
- vii. Speed : 1500 RPM
- viii. Negative suction head required (NPSHR): 5 M (max.)
- ix. Efficiency at duty point : 70% minimum
- x. Suction : To be indicated by supplier
- xi. Delivery : To be indicated by supplier
- xii. Liquid to be handled : Filtered water as per BIS: 10500(1991) Characteristics
Desirable limit as per Bureau of Indian Standards
Appearance - Clear
Odour - Unobjectionable
Turbidity - 5 NTU (max)
pH - 6.5 to 8.5
Total Hardness (as CaCO₃)- 300.0 mg/l(max)
Iron (as Cl) - 0.3 mg/l (max)
Chloride (as Cl)- 250.0 mg/l(max)
Total dissolved solids - 500 mg/l(max)
Alakalinity (as CaCO₃)- 200 mg/l(max)
Oil and grease- 0.01 mg/l(max)

N.B.:

The bidder to confirm the followings:

- (i) The Pump should conform to specifications laid down in IS 6595 (Part 2): 1993
- (ii) Performance Test in accordance with IS 9137
- (iii) The impeller design should be such that delivery head of 200 M is obtained even with 5 meters (max.) negative suction head.
- (iv) At 150% of rated flow, head should not be less than 65% of rated head

- (v) Pump shut off head should not exceed 140% of rated head
- (vi) Packing: Mechanical Seal, preferably of make ChemSeals, Eagle Burgmann
- (vii) Suction & Delivery Ends: Flanged Ends.

II. CONSTRUCTIONAL FEATURES:

1. Casing : Grade FG200 of IS210:1978
2. Impeller : Grade FG200 of IS210:1978 or LTB2 of IS318:1981
3. Casting Ring : Grade FG200 of IS210:1978 or LTB2 of IS318:1981
and impeller ring
(if provided)
4. Shaft sleeve : Grade LTB2 of IS 818:1981 or chrome steel 07 Cr 17 of (if provided)
IS 1570(Part 5):1985
5. Shaft : Grade 40C of IS1570 (PART2/SEC1):1979

N.B:

- (i) The improved grade of materials with higher metallurgy used for construction of each component over specified one will be also accepted.
- (ii) The bidder to confirm that the certificate of MOC for the above items will be provided along with the supply of materials.

B. DIESEL ENGINE

The engine should be a four stroke, multi cylinder, naturally aspirated /turbo charged, radiator cooled, diesel engine conforming to ISO 3046 /IS 10000 /BS 5514 specifications, rated for continuous power, capable of developing 10 to 25 % more power than net minimum BHP requirement of the pump input when running at 1500 rpm, at the conditions given below :

Maximum temperature	:45° C
Minimum temperature	: 5° C
Maximum relative humidity at 35°C	: 95 %
Maximum altitude above mean sea level	: 150 M

With HSD conforming to IS: 1593:1982 and having the following specifications:

Cetane Number : 42.5
Gross calorific value : 19480 BTU /CFT

The engine should comprise of the following sub systems:

I. COOLING SYSTEM, preferably comprising of

- i. Engine driven water pump - Engine mounted
- ii. Heavy Duty Radiator (having capacity at least 20% in excess of total heat rejection of the engine) with Blower Fan.

- iii. Thermostat installed in Engine Coolant Outlet
- iv. Corrosion inhibitor
- v. Spin-on filter for coolant.

II. AIR INTAKE SYSTEM, preferably comprising of

- i. Air intake manifold # Engine mounted
- ii. Dry Type Intake Air Filter # Engine mounted
- iii. Vacuum indicator # Mounted on Intake Piping

III. STARTING SYSTEM preferably comprising of

- i. 24V DC electric starter (Make LUCAS TVS /DELCO REMY)
- ii. 24V DC battery charging alternator (Make LUCAS TVS)
- iii. Two nos. maintenance free batteries of 12V, 180AH (min) capacity of reputed make like Exide, Cummins etc.

IV. EXHAUST SYSTEM preferably comprising of

- i. Turbocharger # Engine mounted (In case Turbo Charged Engine is offered)
- ii. Water Cooled Exhaust Manifold
- iii. Exhaust Silencer # Residential type with Spark Arrestor
- iv. Flexible Connections

V. FUEL SYSTEM comprising of

- i. Engine mounted fuel pump
- ii. Fuel filter # Paper Element # Engine mounted
- iii. Mechanical/Hydraulic Governor
- iv. Fuel Injectors
- v. Wire Braided Hoses between Filter & Fuel Pump
- vi. Wire Braided Flexible Hoses for fuel supply and return to Diesel Tank
- vii. Check (Non Return) Valves in fuel supply and drain lines
- viii. Fuel tank built within the oil field skid (base frame) complete with drain valve, air vent, inlet and outlet connection.

N.B.: The fuel tank should be fabricated from 14 SWG MS Sheet and should be large enough to hold fuel for at least 8 hours continuous operation of the engine on full load.

VI. LUBRICATING SYSTEM comprising of

- i. Lubricating Oil Sump
- ii. Engine mounted lube oil pump # Gear Driven
- iii. Engine mounted Lubricating Oil Cooler # Water cooled # integral with Engine coolant circuit.
- iv. Lubricating Oil Filter # Paper Element # Engine mounted

v. Oil Filler Tube with cap and Lube Oil Dipstick Oil Level Check # Engine mounted

VII. INSTRUMENT PANEL: Engine mounted comprising of

- i. Digital Tachometer & Hour Meter
- ii. Lube Oil Pressure Indicator
- iii. Water Temperature Indicator
- iv. Emergency Shut Down Knob

VIII. SAFETY CONTROLS: Safety control devices to protect the engine against the following occurrences should be provided

- i. Low lube oil pressure
- ii. High water temperature
- iii. Over speed

IX. OTHER FEATURES

- i. Vibration Dampener
- ii. Flywheel suitable for the selected clutch PTO
- iii. Flywheel Housing
- iv. Front & Rear Engine support
- v. Lifting Eyes
- vi. Crank Case Breather
- vii. SAE standard rotation
- viii. Suitable Hand Throttle Control
- ix. Non sparking guards over blower fan belt drive and water pump belt drive

C. GENERAL NOTES

I. The engine should conform to either ISO 3046 /BS 5514 /IS10000 specifications and should be rated for continuous power with an over load power rating of 110 % of the continuous power corresponding to engine application, for a period of 1 hr. within a period of 12 hrs. of operation.

[Make: Cummins/Caterpillar/Wauksha/Kirloskar/Greaves or equivalent reputed make]

II. The bidder must submit the following information along with relevant performance rating curves and engine product catalogues.

- i. Gross HP developed at 1500 RPM
- ii. Deduction for blower fan and other ancillary equipment
- iii. Net HP developed at 1500 RPM
- iv. Specific fuel consumption at rated power as well as 110%, 75% and 50% of rated load.

III. The engine shall be tested at Manufacturer's works by the supplier and relevant test certificate in this regard has to be submitted. OIL may depute representatives to oversee the testing of the engine at manufacturer's work.

IV. Engine & pump must be new and in unused condition. No reconstructed/ rebuilt items will be acceptable.

V. Performance chart of the centrifugal pump at Duty Point as well as 1.5 times discharge indicating capacity, head, efficiency, size of impeller etc. All technical calculations for BHP, NPSH requirement etc. should be forwarded along with the offer.

VI. A suitably selected and rated Clutch Power Take Off Unit [make: Ghatge Patil] and suitable Coupling should be incorporated in the transmission system to couple the diesel engine with the centrifugal pump and for transfer of power. Non-sparking coupling guard should be provided over the above coupling.

VII. Auto-Priming System should be provided along with the main centrifugal pump to assist the centrifugal pump during start up. The Priming System should be powered by the same diesel engine which drives the main centrifugal pump, through a provision of an additional belt and pulley combination. The bidder must submit the printed technical details of the auto-priming system along with its power flow diagram.

VIII. The bidder must confirm that the following ACCESSORIES are to be supplied along with the pump set:

- a. 150 Class butterfly valves with companion flanges and other accessories for the Suction (1 No) & Discharge (1 No) connections
- b. 150 Class Foot valve for the Suction Connection & Non Return Valve for the Delivery Connection
- c. Pressure Gauge: rating Upto 20kg/cm²
- d. Matching set of Companion Flanges & accessories for the Suction & Discharge Connections of the Pump
- e. One complete set of Coupling with finished bore.
- f. Bearings, DE & NDE: Two sets each
- g. Gland Packing: Four (4) sets or Mechanical Seals: four sets (Depending upon type of pump)
- h. Necessary foundation bolts for the pumpset to be installed & commissioned.
- i. Suction and Delivery flexible hoses with matching end connections

N.B.: The accessories such as butterfly valves, coupling set, bearings, pressure gauges etc. should be of reputed make, conventionally used for similar applications.

IX. The bidder must confirm that the pump set shall be supplied in unitized condition with all components and accessories fitted and mounted on an oilfield type three runner portable master skid and should be ready for operation after carrying out initial servicing and making provision for fuel.

While unitizing the pump set, easy approach to various components for maintenance aspects should be kept in mind. The floor of the skid should be covered with anti skid steel plates. The skid should be fabricated out of properly sized beams to withstand loading /unloading and transfer in oil field trucks as well as air lifting. The size of the skid should be adequate enough to provide for sufficient working space in and around the pump set.

X. A Non-Sparking Type Coupling Guard fabricated from Aluminum Sheet should be placed over the Gear Coupling and the Coupling Guard should be suitably anchored to the oil field skid.

XI. Both the Diesel Engine & Centrifugal Pump should be painted with ENAMEL PAINT

XII. Bidders must submit filled in data sheet and technical check list enclosed with the enquiry.

XIII. The bidder must assure that after sales service with respect to the pump set shall be provided by their respective OEMs or authorized dealers.

XIV. The bidder must undertake and confirm that the OEM's equipment to be supplied are not going to become obsolete for the next 10 years and provisioning of spares can be continued.

XV. The supplier shall be required to provide three (03) sets of hard copies of part list with part numbers and operation & maintenance manual & drawing for all the individual equipments of the pump set which consist of Pump, Engine, Priming Pump, Clutch, etc. along with the supply of materials.

XIV. Tool box with all the necessary tools for maintenance along with special tools, if any, must be supplied along with the pump set. All tools should be non sparking type.

XV. The supplier must forward the layout diagram of the pumpset to be installed and commissioned. The detailed engineering drawing of foundation for the pumpset must include all the dimensions as well as compositions of concrete with all standards, dimension, ratios etc. All the above must be sent to OIL at least one (01) month ahead of the supply of pumpset.

D. INSPECTION AND TESTING

The pump set with Engine in unitized condition shall be inspected by OIL's deputed engineer at manufacturer's works /factory prior to dispatch. 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.

Performance test of the pump shall have to be carried out at the manufacturer's facility in accordance with IS 9137. The inspection shall include performance/full load test as

well as NPSH test of the pump in unitized condition with the offered engine in presence of OIL#s deputed representative. The pump sets shall be cleared for dispatch only after satisfactorily carrying out the tests specified above. Test certificates in respect of pump and engine shall have to be forwarded along with delivery of material.

N.B.

- i. Charges for carrying out the above tests at the manufacture's facility should be included in the purview of the offer.
- ii. The to & fro, boarding and lodging expenses for OIL officials shall be borne by OIL.

E. COMMISSIONING

The pump sets shall have to be commissioned by competent personnel, from the respective OEM's of the Pump & Engine, deputed by the bidder for the same. OIL shall provide necessary welding set for of the pumpset at site.

F. WARRANTY

The warranty period for the engine, pump and all ancillary equipment should be a minimum of 18 months from the date of dispatch/ shipment of 12 months from the date of commissioning.

G. AFTER SALES SERVICE

The bidder should ensure after sales service during initial commissioning and also subsequently. Bidders should also confirm that spares, both regular consumable ones as well as vital/ insurance spares, for engine, pump and all accessories quoted, shall be available for at least 10 years after the delivery of the material.

H. TECHNICAL CHECK LIST

SL. NO REQUIREMENT COMPLIANCE

1 WHETHER QUOTED AS OEM OF PUMP AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED: YES/NO

2 WHETHER QUOTED AS AUTHORISED DEALER OF PUMP AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED: YES/NO

3 WHETHER QUOTED AS OEM APPROVED ASSEMBLER OF PUMP SETS AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED: YES/NO

4 WHETHER THE OFFERED PUMP IS A HORIZONTAL, SPLIT TYPE CENTRIFUGAL PUMP CONFORMING TO IS 6595 (Part 2): 1993 AND DESIGNED FOR CONTINUOUS SERVICE / DUTY: YES/NO

5 WHETHER THE EFFICIENCY OF THE PUMP IS AT LEAST 70%. YES/NO

6 WHETHER THE OFFERED ENGINE CONFORMS EITHER TO ISO3046/BS5514/IS10000 SPECIFICATIONS: YES/NO

- 7 WHETHER THE NET HP OF THE ENGINE IS AT LEAST 10% TO 25 % MORE THAN THE NET MINIMUM BHP REQUIREMENT OF THE PUMP INPUT WHEN RUNNING AT 1500 RPM: YES/NO
- 8 WHETHER THE ENGINE IS RATED FOR CONTINUOUS POWER: YES/NO
- 9 WHETHER THE ENGINE STARTING IS AN ELECTRIC START SYSTEM: YES/NO
- 10 WHETHER A PRIMING SYSTEM HAS BEEN INCLUDED IN THE SCOPE OF SUPPLY TO FACILITATE STARTING OF THE MAIN CENTRIFUGAL PUMP: YES/NO
- 11 WHETHER ACCESSORIES AS DETAILED IN THE SPECIFICATIONS PUMP HAVE BEEN INCLUDED IN THE SCOPE OF SUPPLY: YES/NO
- 12 WHETHER A COUPLING SET HAS BEEN INCORPORATED IN THE TRANSMISSION: YES/NO
- 13 WHETHER GUARDS SHALL BE PROVIDED OVER COUPLING AND BELT DRIVES AND WHETHER THE FLOOR OF THE THREE RUNNER SKID SHALL BE COVERED BY CHECKERED PLATES: YES/NO
- 14 WHETHER FILLED IN DATA SHEET HAS BEEN SUBMITTED: YES/NO
- 15 WHETHER SPARES SHALL BE AVAILABLE FOR 10 YEARS AFTER SUPPLY OF EQUIPMENT: YES/NO
- 16 WHETHER SEPERATELY HIGHLIGHTED ANY DEVIATION FROM THE TECHNICAL SPECIFICATION: YES/NO
- 17 WHETHER THE UNITISED PUMP SETS WILL BE OFFERED FOR PRE-DISPATCH INSPECTION: YES/NO
- 18 WHETHER COMMISSIONING OF THE PUMP SETS IS INCLUDED IN THE SCOPE OF THE OFFER: YES/NO
- 19 WHETHER SPECIAL TOOLS AND COMMISSIONING SPARES, IF ANY, REQUIRED FOR THE PUMP SET HAVE BEEN INCLUDED IN THE SCOPE OF SUPPLY? YES/NO

I. DATA SHEETS

(i) ENGINE

- " MAKE :
- " MODEL :
- " NUMBER OF CYLINDERS :
- " ASPIRATION :
- " DISPLACEMENT :
- " BORE X STROKE :
- " LENGTH X WIDTH X HEIGHT :
- " RATED SPEED :
- " COMPRESSION RATIO
- " GROSS HP AT RATED RPM :
- " DEDUCTION FOR FAN,ALTITUDE,TEMPR :

" NET HP AVAILABLE AT RATED RPM :
" SPECIFIC FUEL CONSUMPTION AT
" 110 % LOAD :
" 100 % LOAD :
" 75 % LOAD :
" 50 % LOAD :
" LUBRICATING OIL CONSUMPTION(LT/HR) :
" MAKE OF STARTER :
" MAKE OF CHARGING ALTERNATOR :
" MAKE OF BATTERY :

(ii) PUMP

" MAKE :
" MODEL :
" TYPE :
" STAGE :
" CAPACITY :
" HEAD :
" DUTY :
" SPEED :
" NEGATIVE SUCTION HEAD :
" EFFICIENCY :
" HHP REQUIREMENT AT RATED CONDITIONS :

(iii) MISCELLANEOUS ITEMS

" MAKE OF CLUTCH PTO :
" MODEL OF CLUTCH PTO :
" MAKE OF COUPLING :
" MODEL OF COUPLING :
" MAKE OF DELIVERY PRESSURE GUAGE :
" RATING OF DELIVERY PRESSURE GUAGE :

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

1.1 The offered pump should be a Horizontal Split Casing Centrifugal Pump, conforming to specifications laid down in IS 6595 (Part 2): 1993. It should be suitable for continuous duty application and have an efficiency of 70% minimum and be capable of meeting the delivery parameters of Capacity 500M³/Hr (Minimum) and head of 200 M (minimum) at duty point with 5M (max.) negative suction head respectively. In this regard printed technical leaflet/literature/catalogue from OEM must be enclosed with the offer.

1.2 The offered model of engine must conform to ISO 3046 /BS 5514 /IS10000 specifications. It should be rated for continuous power and capable of developing at least 10% more power at 1500 RPM, than the net minimum BHP requirement of the pump input needed to achieve the stated delivery parameters of 500 M³/Hr (Capacity) and 200 M minimum Rated Head at duty point with 5M (max.) negative suction head respectively. In this regard printed technical leaflet/literature/catalogue from OEM must be enclosed with the offer.

1.3 The bidder should be an Original Equipment Manufacturer (OEM) of the pump or an Authorized Dealer of OEM (pump) or an OEM (pump) approved assembler. In this regard the bidder other than OEM of the pump must submit the valid documentary evidence from their OEM along with the offer.

1.4 The bidder has to purchase the engine from an OEM of engine or their Authorized Dealer. In this regard, documentary evidence from an OEM of engine or their Authorized Dealer must be enclosed with the offer.

1.5 The bidder should have experience of successfully executing at least one similar order for Rs 39.12 lacs during last 03 years as on bid closing date to companies under the Government, Semi Government, Public sector undertakings or Public Limited

companies. Documentary evidence as per following note must be submitted along with the offer, failing which the offer will be rejected.

Note:

1.5.1 Similar Order means Order for supply, installation & commissioning of centrifugal pump/pumpset with auto priming system of capacity 200 kl/hr (min) or above in Govt/Semi-Govt. organizations, PSU & Public Limited Company.

1.5.2 In support of documentary evidence, the bidder must submit any one of the following documents/photocopies (attested/self attested) along with the bid.

- a) Purchase order (PO)
- b) Invoice against PO
- c) Completion certificate issued by the end-user

2.0 FINANCIAL:

2.1 The Annual financial turnover of the firm in any of the last 03 financial years or current financial year should not be less than Rs 130.40 lacs. In support of annual financial turnover, any one of the following documents/photocopies (self attested/attested) must be submitted along with the bid:

- ▶ A certificate issued by a practicing chartered/cost accountants firm with membership no. certifying the annual turnover and nature of business.
- ▶ Audited balance sheet and profit & loss account.

B:COMMERCIAL

- i) Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices, which shall be kept blank. The "Price Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.

- ii) **Bid security in the form of Demand Draft / Bank Guarantee as per format given in the LCB booklet MM/CALCUTTA/E-01/2010 of Rs 1,30,400.00 shall be submitted manually in sealed envelope superscribed with BID SECURITY AGAINST Tender no. SKI7656P16 dated 25.06.2015 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. 1,30,400.00** 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 shall be valid for 180 days more than the Bid validity, i.e., for 300 days from the date of bid opening.

- iii) Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of twelve months from the date of successful commissioning against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses and no extra cost to OIL.
- iv) 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.
- v) 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.

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.

x). **INTEGRITY PACT:**

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed with the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid.

C. GENERAL:

- i) The Compliance statement must be filled up by bidders and to be submitted/uploaded along with their bids. In case bidder takes exception to any clause of the bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by Company. The loading so done by the company will be final and binding on the bidders.
- ii) If any of the clauses in the BRC contradicts with other clauses of bidding document elsewhere, then the clauses in the BRC shall prevail.

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) In the event of computational error between unit rate and total price, the unit rate as quoted by the bidder shall prevail.
- ii) Similarly in the event of discrepancy between words and quoted figure, words will prevail.
- iii) Evaluation will be done on 'total contract cost' basis to ascertain the lowest bid.

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) 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 to must be received on or before the dead line given by the company, failing which the offer will be summarily rejected.

- iii) To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein:
 - (A) Total material cost of Main Equipment:
 - (B) Total cost of tools/tackles/accessories/mandatory spares/ repair kit for commissioning
 - (C) Total Material Cost,(A+B)
 - (D) Packing and Forwarding Charges
 - (E) Total Ex-works value, (C+D) above :
 - (F) Excise Duty including Cess
 - (G) Sales Tax, (Please indicate applicable rate of Tax)
 - (H) Total FOR Despatching station price, (E+F+G) above
 - (I) Road Transportation charges to Duliajan
 - (J) Insurance Charges @0.5% of Total For Despatching StationValue (H) above
 - (K) Assam Entry Tax
 - (L) Total FOR Duliajan value, (H+I+J+K) above
 - (M) Installation/Commissioning Charges including Service Tax, if any :
 - (N) Training Charges including Service Tax, if any :
 - (O) Grand Total value, (L+M+N)

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 (except for the bidders who has paid the same online). 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. "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).**

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