

IMPORTANT NOTE

BID DOCUMENT HAS BEEN DISPLAYED BELOW TO UNDERSTAND THE REQUIREMENT ONLY. PARTIES INTERESTED TO PARTICIPATE AGAINST THIS TENDER SHALL HAVE TO PURCHASE THE TENDER DOCUMENT FROM ANY OF OIL'S DESIGNATED OFFICES MENTIONED IN THE TENDER NOTIFICATION. PROOF OF PURCHASE OF TENDER DOCUMENT MUST BE SUBMITTED ALONG WITH THE OFFER FAILING WHICH OFFERS SHALL BE TREATED AS UNSOLICITED.

OIL INDIA LIMITED
(A Govt. of India Enterprise)
4, India Exchange Place,
Kolkata – 700 001.

OIL INDIA LIMITED (OIL) invites sealed tenders for supply, of the following items :-

Srl. No.	Enquiry No. (Bid Closing Date)	Material Description
1.	KID3045P10/08 (05.06.2009)	Supply, Installation & Commissioning of Skid Mounted Motor Driven Centrifugal Pump set – 2 Nos.
2.	KID3044P10/07 (05.06.2009)	Supply, Installation & Commissioning of Numerical Type Feeder, Motor & Transformer Protection Relays – 3 items.
3.	KID3041P10/01 (05.06.2009)	Bitumen Felt – 3600 Rolls.

2.0 Bid documents (Non transferable) can be purchased from **08.05.2009** till one day prior to the respective Bid Closing Dates on payment of tender fee of Rs. 1000.00 each through Crossed Demand Draft in favour of M/s. Oil India Limited (excepting for PSUs and SSI units registered with NSIC/Directorate of Industries for the item) from (A) Head (Calcutta Branch), Oil India Limited, 4,India Exchange Place, Kolkata - 700001 (B) Head Materials, Oil India Limited, P.O. Duliajan, Assam - 786602 (C) Sr. Adviser (Contract & Purchase), Oil India Limited, Plot No. 19, Sector-16A, Noida – 201301 (D) Sr. Materials Manager (Pipeline), Oil India Limited, P.O: Udayan Vihar, Guwahati - 781171.

3.0 To be eligible for issue of tender documents, the applicant must meet the following qualifying criteria (documentary evidence to be provided) :

(i) Successful execution of a single order of value not less than the amount shown below for supply of similar items during last five years :

Srl. No.	1.	2.	3.
Single Order value in Lakhs (Rs.) -	9.50	19.50	26.00

(ii) Annual turnover of the firm in any of the last three financial years or current financial year should be more than the amount as below:

Srl. No.	1.	2.	3.
Annual Turnover value in Lakhs (Rs.) -	19.00	39.00	52.00

4.0 Bidders may visit OIL's website www.oil-india.com for further details on the above tenders.

CORRIGENDUM

(1) The Bid Closing Date against Tender No. **KID2186PO9/02 dt. 12.02.09** for complete software and hardware package for instrumentation design & engineering has been extended to **19.05.2009 (14.00 Hrs.)**

(2) The Bid Closing Date against Tender No. **KID2185PO9/02 dt. 12.02.09** for Duliajan – Shalmari communication system including installation & commissioning, training & Annual Maintenance contract – (Two Bid System) has been extend to **19.05.2009 (14.00 Hrs.)**

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OIL INDIA LIMITED

(A Govt. Of India Enterprise) Tel :033 2230 1657, 1658
 4, India Exchange Place, Fax :91 33 2230 2596
 Kolkata-700001 E-mail :oilcalmn@cal2.vsnl.net.in

Tender No. & Date : KID3045P10/08 27.04.2009

Tender Fee : INR 1,000.00
 Bid Security Amount : INR 50,000.00

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 05.06.2009 at 14:00 hrs. (IST)
 Bid Opening On : 05.06.2009 at 14:00 hrs. (IST)

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Press tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 0C000452	<p>SKID MOUNTED MOTOR DRIVEN CENTRIFUGAL PUMP SET FOR OLD WATER TREATMENT PLANT.</p> <p>A.PUMP -----</p> <p>I) Pump Specifications: The pump should conform to IS 6595(Part 2) 1993</p> <p>Stage : Single Stage Capacity : 480M3/HR. Head : 8 m of liquid column Liquid : RAW WATER Duty : Continuous Application : Transfer pump NPSHR : 3 m Efficiency : 81% (minimum) Suction Size } to be indicated by the bidder Delivery Size }</p> <p>Shaft Seal : By gland packing Suction & Delivery End : Flanged End</p> <p>Bidder should give the following information regarding Performance at (a) Duty point and (b) 1.5 times discharge :</p> <p>Total Head : Discharge : Efficiency : Pump Speed : BKW / BHP : NPSHR :</p> <p>II) CONSTRUCTIONAL FEATURES :</p>	2	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>i) The material of construction of the Pump body, Suction, Delivery and intermediate parts should be Close Grained Cast Iron/cast steel.</p> <p>ii) The material of construction of the impeller should be Stainless Steel or, Bronze or CA6NM. The impeller should be fully shrouded and dynamically balanced for smooth running.</p> <p>iii) The material of construction of the shaft should be Stainless Steel.</p> <p>iv) The material of construction of the shaft sleeve should be Stainless Steel.</p> <p>v) The material of construction of the casing Ring should be Bronze or, Cast steel.</p> <p>vi) The material of construction of the Gland & Gland nuts should be Cast Iron.</p> <p>vii) The pump must be supported by Heavy Duty Bearings and Grease Cups should be provided for lubrication.</p> <p>III) ACCESSORIES TO BE SUPPLIED ALONG WITH THE PUMP Following accessories should be supplied with the pump set</p> <p>a. Suitable Butterfly type suction valve- 1 No with companion flanges and nuts and bolts.</p> <p>b. Non return valve of 150 class pressure rating- 1No, with companion flanges and nuts and bolts for discharge end of the pump.</p> <p>c. Pressure gauge (0-10 Kg/cm²)- 1no</p> <p>d. Coupling-1 Set</p> <p>e. Matching companion flanges with nuts and bolts for suction and discharge ends of the pump- 1 Set</p> <p>B.MOTOR ----- Specification for Motors for Raw Water Delivery Pump of 18.5KW/25HP, 1000RPM:</p> <p>Motors shall have the following specifications.</p> <p>Type Motors shall be Non-FLP, 3 phase, squirrel cage, AC Induction type. Rated output 25 HP (The motor rating shall be minimum 10 % higher than the respective absorbed power required for full rated capacity load handling of the pump).</p> <p>Enclosure TEFC with Degree of protection - IP55 as per Standard IS-4691 Insulation Class F with temperature rise limited to that of class B Standards IS- 325, 1231, and 4691. Voltage Motor shall be suitable for 415 ± 6% volts, 3 Phase, 50HZ, AC supply and should withstand high voltage fluctuation. Freq. 50 Hz +- 3% RPM 1000 RPM Duty Continuous (S1) Mounting Foot Mounting, basic dimensions as per Standard-IS 1231. Shaft support Rolling element Bearings at DE and NDE</p>		

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>Cooling Bidirectional cooling fan at NDE</p> <p>Starting Y/D starter</p> <p>Switching 15 Cold Starts /Hr.</p> <p>Ambient conditions 40 deg C (Max), 150 mtr altitude & 95% (max) relative humidity.</p> <p>Terminal Box Cable termination box with brought out terminals suitable for terminating PVCA copper cables of proper size as per rating of motor. Terminals shall be of brass and mounted on FRP/DMC insulating plate and connected for star-delta starting.</p> <p>Cable Glands 2 Nos of cable glands of Single compression, Nickel plated brass gland suitable for 3½x25 sqmm PVCA cable size shall be fitted in terminal box of the motor.</p> <p>Earthing Two nos of earthing studs to be provided on both sides of the motor. Earthing system for the motor shall be as per the IS: 3043.</p> <p>Lifting Eye Lifting hook(s) shall be provided for lifting the motor.</p> <p>Test Certificates Manufacturer's test certificate of motor for all routine tests as specified in IS: 325 shall be submitted with the supply. All the allowable variations shall be as per IS: 325.</p> <p>Markings - Name plate details with name of manufacturer, manufacturer's sl. No. & frame size, rated voltage, rated out put, current in amperes at rated output, frequency, type of duty, class of insulation, no. of phases, speed in rpm at rated out put, degree of protection, winding connections, amb. temp, bearing sizes, lubricant, lubricant material, year of manufacturer.</p> <p>Make Bharat Bijlee/ Crompton Greaves/ Siemens/NGEF/KEC</p> <p>Warranty/Guarantee Motor shall be guaranteed for minimum period of 1(one) year from the date of commissioning or 18 months from the date of supply whichever earlier. Certificate warrantee shall be submitted along with the supply of motor.</p> <p>General Notes on motor:</p> <ol style="list-style-type: none"> 1. All technical details including the dimensional details of the motor shall be submitted along with the offer for technical scrutiny. Offers without sufficient information's requires as per said IS standards will not be considered for technical scrutiny. 2. Party shall mention the warrantee period in their offer. 3. Party shall show the calculation in their offer that the motor rating is minimum 10 % higher than the respective absorbed power required for full rated capacity load handling of the pump. <p>C) OTHER FEATURES :</p> <ol style="list-style-type: none"> i) Non-return valve in pump delivery line (1 no NRV) ii) Flexible/direct coupling. <p>D . GENERAL NOTES</p> <ol style="list-style-type: none"> i. Pump should conform to IS 6595 (Part 2) 1993 ii. Performance chart of the centrifugal pump indicating capacity, head, efficiency, size of impeller etc. as well as all technical calculations for BHP, NPSH requirement etc. should be forwarded along with the offer. The Pump performances should be as per IS: 9137. iii. All of the equipment of the pump and motor package shall have to be 		

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	<p>mounted on an open structural steel base sturdy Oil field type skid.</p> <p>iV. A non-sparking type Coupling guard fabricated from thick Aluminum sheet to withstand deformation while handling, should be placed over the Coupling and Coupling Guard should be suitably anchored.</p> <p>V. The bidder must quote as per the format and submit filled-up check list & data sheet (enclosed herewith) along with the offer.</p> <p>Vi. The bidder must assure that after sales service with respect to the pump set shall be provided by their respective OEM's or authorized dealers.</p> <p>Vii. The bidder must undertake and confirm OEM that the equipment to be supplied are not going to become obsolete for the next 10 years and provisioning of spares can be continued.</p> <p>viii) The pump sets should be suitable for operation at the following site conditions :</p> <p style="padding-left: 40px;">Maximum Temperature : 50 Deg C Minimum Temperature : 05 Deg C Maximum Relative Humidity at : 21 Deg C:100 % 35 Deg C: 95 % 41 Deg C: 70% Maximum Altitude above sea level: 150 Meter</p> <p>E. INSPECTION AND TESTING</p> <p>The pump set shall be inspected by OIL's deputed engineer at manufacturers 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.</p> <p>The pump will be factory performance tested in accordance with IS: 9137. The inspection shall include performance / full load test as well as NPSH test of the pump in unitized condition 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 motor shall have to be forwarded along with delivery of material.</p> <p>N.B. Charges for carrying out the above tests at the manufacture's facility should be included in the purview of the offer.</p> <p>F. COMMISSIONING</p> <p>The pump sets shall have to be commissioned by competent personnel , deputed by the bidder for the same. OIL shall provide necessary local transportation for the commissioning personnel to and from site. All spares, tools tackles required for commissioning of the pump sets should be supplied by the supplier.</p> <p>G. WARRANTY</p>		

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Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>The warranty period for the engine, pump and all ancillary equipment should be a minimum of 18 months from the date of dispatch/ shipment or 12 months from the date of commissioning.</p> <p>H. AFTER SALES SERVICE</p> <p>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 motor, pump and all accessories quoted, shall be available for at least 10 years after the delivery of the material.</p> <p>I. SPARE PARTS AND SPECIAL TOOLS</p> <p>Bidders have to provide the price, along with the part numbers, serial no, normal delivery lead time of the spares that will be required for maintenance of the pump/ motor set for two years with the offers. Spare parts should be properly tagged and coded so that later identification as to intended equipment usage will be facilitated. The cost of two years spares thus provided, will not be considered for evaluation of bid.</p>		
	Installation and commissioning of pump		
10	<p>INSTALLATION&COMMISSIONING</p> <p>The pump sets shall have to be commissioned by competent personnel, from the respective OEM's of the Pump , deputed by the bidder for the same. OIL shall provide necessary local transportation for the commissioning personnel to and from site.</p>	1	NO

- Special Notes** :
1. The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.
 2. Materials are most urgently required for our field operation. Please quote your best delivery.
 3. The bidder are required to provide at least two sets of hard copies and CDs of operation and maintenance manual for each pump and engines along with the supply.
 4. Detail spare part list of engines and pumps should be provided along with the offer / despatch documents.
 5. BID REJECTION CRITERA(TECHNICAL):

The bids must conform to the specifications and terms and conditions given in the enquiry. Bid shall be rejected in case the items(s) offered do not conform to the required minimum / maximum parameters stipulated in the technical specifications and to the respective international / national standards wherever specified.

Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected.

1.0 The offered pump should be centrifugal, Single stage as per IS 6595 (Part-2) 1993/ Other applicable IS codes, suitable for meeting the delivery parameters 480 m³ Per Hour (Volume) and total head minimum 8 meters.

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2.0 The bidder should be an OEM or authorized dealer of OEM of the pump or an OEM (pump) recommended assembler of pump sets. In all cases the bidder has to purchase the motor from an OEM of motor or their Authorized Dealer. Documentary evidence in this regard must be enclosed with the offer failing which the offer will be rejected.

(OR)

3.0 If the bidder is an OEM (pump) recommended assembler of pump sets, he must purchase the pump and the motor from OEM or their authorized dealer. Documentary evidence in this regard must be enclosed with the offer failing which the offer will be rejected.. The assembler should indicate that necessary infra structural facilities for fabrication and load testing of the pump sets are available with them. Bidders other than the OEM must furnish the following undertaking from the OEM.

Date of manufacture, make, model, serial no, test certificate, literatures and parts book of the pump will be supplied if order is placed on the bidder.

4.0 Bidders or their OEM should have the experience of completing 3(Three) orders in the last 10(Ten) financial years before the bid closing date of this enquiry against supply of continuous duty pump sets for water flood / formation water disposal / hydrocarbon service applications in PSUs, Central Govt. Undertakings, Public Limited Companies in the Oil & Gas sector. Copies of purchase orders from the clients indicating the supply of such equipment are to be forwarded with the offer. The offers are to be further substantiated by performance certificates from the consumers.

5.0 The model of pump offered should be one that has a proven track record for continuous duty service applications. The model should be one that has been successfully deployed for continuous duty applications for a minimum period of 2500 hours or 1(One) year from its date of commissioning . Documentary evidence in this regard should be enclosed.

NOTE: #Continuous duty# means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.

6. Since the offered pump will be replacement of the existing pump sets, bidder has to mention the following dimensions

- A) Distance from bottom of pump feet to pump centreline: 280mm
- B) Distance between centrelines of pump feet : 700 mm
- C) Distance from pump delivery centre line to shaft end : 620mm

TECHNICAL CHECK LIST

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 DESIGNED FOR CONTINUOUS SERVICE / DUTY ? YES/NO
 5. WHETHER THE EFFICIENCY OF THE PUMP IS AT LEAST 81%? YES/NO
 6. WHETHER THE PUMP CONFORM TO IS 6595, 1993? YES/NO
 7. WHETHER A SUITABLE COUPLING HAS BEEN IN CORPOTAED IN THE TRANSMISSION YES/NO
 8. WHETHER THE BIDDER HAVE PROVIDED THE PRICE, ALONG WITH THE PART NUMBERS, PART DESCRIPTION, SERIAL NO, NORMAL DELIVERY LEAD TIME OF THE SPARES THAT WILL BE REQUIRED FOR MAINTENANCE OF THE PUMP FOR TWO YEARS WITH THE OFFERS ? YES/NO
 9. WHETHER SPECIAL TOOLS AND COMMISSIONING SPARES HAVE BEEN INCLUDED IN THE SCOPE OF SUPPLY? YES/NO
 10. WHETHER SPARES SHALL BE AVAILABLE FOR 10 YEARS AFTER SUPPLY OF EQUIPMENT? YES/NO
 11. WHETHER SEPERATELY HIGHLIGHTED ANY DEVIATION FROM THE TECHNICAL SPECIFICATION? YES/NO
 12. WHETHER THE PUMP SETS WILL BE OFFERED FOR PRE-DISPATCH INSPECTION? YES/NO
 13. WHETHER COMMISSIONING OF THE PUMP SETS IS INCLUDED IN THE SCOPE OF THE OFFER? YES/NO
 14. WHETHER PERFORMANCE CHARECTERSTICS OF PUMPS ENCLOSED? YES/NO
 15. WHETHER COUPLING DATA/ DRAWING ENCLOSED? YES/NO
 16. WHETHER MAINTENANCE SHEDULE (2SETS), LAMINATED ENCLOSED? YES/NO
 17. WHETHER COMPLETED DATA SHEET OF CALCULATION ENCLOSED? YES/NO
 18. WHETHER CATALOGUE/LITERATURE/LEAFLET/STANDARD CURVE FOR OF OFFERED MODEL ENCLOSED? YES/NO
 19. WHETHER CROSS SECTIONAL DRAWING WITH PARTS LIST OF MATERIAL OF CONSTRUCTION ENCLOSED? YES/NO
 - 25 WHETHER LIST OF TOOLS ENCLOSED? YES/NO
 20. WHETHER VENODOR/ MANUFACTURER'S GURANTEE/ WARRANTY ENCLOSED? YES/NO
 21. WHETHER EXPERIENCE DETAILS OF THE BIDDER ENCLOSED? YES/NO
- NOTE: REVIEW OF THE DRAWING/LITERATURE BY THE COMPANY DOES NOT RELIEVE SUPPLIER OF HIS RESPONSIBILITY FOR THE CORRECTNESS OF THE DESIGN TO SUIT THE STATED CONDITIONS.

J. DATA SHEETS

PUMP :

MAKE

MODEL

TYPE

STAGE

CAPACITY

HEAD

DUTY

SPEED

NEGATIVE SUCTION HEAD

EFFICIENCY

HHP REQUIREMENT AT RATED CONDITIONS

TYPE/ MAKE AND SIZE OF COUPLING BETWEEN PUMP & MOTOR