

**REQUEST FOR EXPRESSION OF INTEREST (EOI)  
FOR MAINTENANCE OF HIGH SPEED DIFFUSER STYLE BARREL PUMPS &  
ASSOCIATED EQUIPMENTS INSTALLED ACROSS VARIOUS PUMP STATION OF  
NBPL PIPELINE THROUGH AN ANNUAL MAINTENANCE CONTRACT**

**EOI NO. PL/CONT/F-2322/3827 DT: 15-10-2020**

OIL INDIA LTD (OIL), a premier public sector undertaking of Govt. of India invites Expression of Interest (EOI) from reputed and established Indian Engineering firms/contractors/company meeting requisite criteria for empanelment of contractors for executing the services as per the scope of work mentioned below:

**Scope of Work:**

To carry out annual maintenance of high speed diffuser style barrel Pumps & associated Equipments as per Annexure-I installed in different pump stations of OIL's Naharkatiya Barauni Pipeline located in the state of Assam, West Bengal & Bihar for a period three years.

**Qualification Criteria:**

The service providers shall have the experience of successfully carrying out annual maintenance as per scope in any PSU/ Oil & Gas Company / Power sector or any reputed organization.

Interested bidder having the requisite experience as stated above are invited to submit their EOI with necessary documents supporting the pre-qualification criteria and other credentials as per **Annexure II** as well as scope of work under Annual Maintenance Contract. Interested parties are requested to submit their Expression of Interest / Proposal, including the following:

- a) Experience of working in high speed diffuser style barrel pump.
- b) Experience in condition monitoring/Analysis of high speed pumps
- c) Experience of handling composite maintenance contract.
- d) Siemen certified vendor with experience in MV & LV harmonic drive maintenance
- e) Experience of both HT & LT motor maintenances.
- f) OEM or OEM authorized channel partner. Valid certificate to be produced by the channel partner.
- g) Experience in calibration of instruments as per Annexure-I (Instrument details)
- f) Company details, past performance, current status of order book / supplies.
- h) Respondents, after scrutiny of the documents submitted, would be required to make a detailed presentation at our Pipeline Headquarter in Guwahati, Assam (India), and to give a budgetary quotation to achieve the desired result.

3.0 The application indicating the applicant's name/ address and telephone/ mobile number with the details of information as mentioned above should reach:

**GENERAL MANAGER (CONTRACTS)  
Contracts Department  
Oil India Limited Pipeline HQ  
P.O. Udayan Vihar, Guwahati 781 171, Assam  
Tel: 0361-2595601  
Fax: 0361- 2643686  
E-mail: ellora@oilindia.in**

Interested party shall submit their Expression of Interest (EOI) with the requested details **up to 1:30 P.M. on 17-11-2020** via courier / registered post in a sealed envelope super scribing the EOI Reference No. **PL/CONT/F-2322/3827 dated 15-10-2020** & Applicant's Name / Address on the envelope.

Sealed envelope containing Expression of Interest (EOI) may be physically dropped in the Tender Box, placed at the office of **General Manager - (Contracts) up to 1:30 P.M. on 17-11-2020 and will be opened on the same day at 2:00 P.M.** at the office of the General Manager (Contracts) in the presence of any prospective bidders. **For details please see the through OIL's web site [www.oil-india.com](http://www.oil-india.com)**

**NOTE 1.:**

All future corrigendum/addendum/amendments and clarification to the EOI, if any, shall be hosted on above website only and not in the newspapers. Parties are therefore advised to keep themselves updated with all such amendments.

However, **OIL will not be responsible for the delay in receipt (i.e., beyond 1:30 P.M. on 17-11-2020) of the same.**

However, if the above mentioned closing / opening day of the EOI happens to be non-working day due to Bandh/Strike or any other reason, the EOI will be received and opened on the next working day at the same time except on Saturday.

OIL reserves the right to (a) accept or reject any / all EOIs submitted by parties and (b) cancel the process at any time without any liability and assigning any reason thereof.

For any further technical clarifications, you may contact:  
**GM (MM) PHQ, at e-mail: [jhazarika@oilindia.in](mailto:jhazarika@oilindia.in)**

**Rotating equipment Details**

<b><u>Sl No.</u></b>	<b><u>Pump Station</u></b>	<b><u>Location</u></b>	<b><u>Nos of Pumps</u></b>	<b><u>Pump Model (Sulzer)</u></b>	<b><u>Capacity</u></b>	<b><u>Motor Make/Model</u></b>	<b><u>Motor Rating</u></b>	<b><u>Pump Serial</u></b>	<b><u>Mechanical seal</u></b>
1	PS1 ML	Duliajan, Assam	2	GSG 150-360 (D) / 5	290 m3/hr (rated flow) / 861 m (Diff. head)	Nidec ASI S.p.A. (ANSALDO) / ET 630 L2	1300 kW/ 6600 V/ 50 Hz/ 131.3 Amps/ 2940 rpm	001-PA-CF-103A/B	API PLAN 11 & 52
2	PS1 BL	Duliajan, Assam	2	GSG 80-260 (B) / 4+1dummy	95 m3/hr (rated flow) / 364 m (Diff. head)	Laxmi Hydraulics Pvt. Ltd., Solapur / Frame 315L	160 kW/ 415 V/ 50 Hz/ 259 Amps/ 2970 rpm	001-PA-CF-108A/B	API PLAN 11 & 52
3	PS11	Tengakhat, Assam	2	GSG 100-300 (C)(Bd) / 8+1dummy	283 m3/hr (rated flow) / 852 m (Diff. head)	Nidec ASI S.p.A. (ANSALDO) / ET 630 L2	1000 kW/ 6600 V/ 50 Hz/ 101.5 Amps/ 2965 rpm	011-PA-CF-103A/B	API PLAN 11 & 52
4	PS2	Moran, Assam	2	GSG100-300 (E)/ 6+1 dummy	174 m3/hr (rated flow) / 744 m (Diff. head)	Bharat Heavy Electricals Ltd. (BHEL) / 1MJ7632-2	575 kW/ 6600 V/ 50 Hz/ 60 Amps/ 2976 rpm	002-PA-CF-103A/B	API PLAN 11 & 52
5	PS4	Sekoni, Assam	2	GSG 150-360 (D)(Dd) / 3+2 dummy	328 m3/hr (rated flow) / 415 m (Diff. head)	Bharat Heavy Electricals Ltd. (BHEL)	575 kW/ 6600 V/ 50 Hz/ 60 Amps/ 2976 rpm	004-PA-CF-101A/B	API PLAN 11 & 52
6	PS5	Noonmati, Assam	2	GSG 100-300 (E) / 3+2dummy	183 m3/hr (rated flow) / 344 m (Diff. head)	Bharat Heavy Electricals Ltd. (BHEL) / 1MJ7560-2	270 kW/ 6600 V/ 50 Hz/ 29 Amps/ 2972 rpm	005-PA-CF-101A/B	API PLAN 11 & 52
7	PS8	Sonapur, West Bengal	2	GSG 150-360 (D) / 6	283 m3/hr (rated flow) / 1032 m (Diff. head)	Nidec ASI S.p.A. (ANSALDO) / ET 630 L2	1300 kW/ 6600 V/ 50 Hz/ 131.3 Amps/ 2980 rpm	008-PA-CF-101A/B	API PLAN 11 & 52
8	PS10	Barauni, Bihar	2	GSG 150-360 (D) / 6	283 m3/hr (rated flow) / 1070 m (Diff. head)	Nidec ASI S.p.A. (ANSALDO) / ET 630 L2	1330 kW/ 6600 V/ 50 Hz/ 134.4 Amps/ 2980 rpm	010-PA-CF-102A/B	API PLAN 11 & 52

PLC Equipment details

<u>SI No.</u>	<u>PLC DETAILS FOR UCP AND CDL</u>	<u>Description of Modules</u>	<u>Protocol</u>	<u>Configuration Software</u>
1	Siemens S7 400	<p>CPU Module            Make: Siemens            Model: CPU 412-5H            Part No.: 6ES7 412-5HK06-0AB0            For S7 400 PLC</p> <p>PANEL VIEW for Siemens            Make: Siemens            Model: SIMATIC HMI TP1900 Comfort            Part No.: 6AV2-124-0UC02-0AX0            For S7 400 PLC</p> <p>REDUNDANT INTERFACE MODULE            Make: Siemens            Model: IM 153-2            Part No. 6ES7 153-2BA02-0XB0</p> <p>DIGITAL INPUT MODULE            Make: Siemens            Part No.: 6ES7 321-1BH02-0AA0</p> <p>DIGITAL OUTPUT MODULE            Make: Siemens            Part No.: 6ES7 322-1BF01-0AA0</p> <p>ANALOG INPUT MODULE                      Make:            Siemens            Part No.: 6ES7 331-7KF02-0AB0</p> <p>HART ANALOG INPUT MODULE            Make: Siemens            Part No.: 6ES7 331-7TF01-0AB0</p>	<p>Profibus</p> <p>Modbus TCP/IP</p>	<p>Simatic Manager Step 7</p> <p>TIA Portal,</p> <p>Wincc for HMI</p>

**INTRUMENTATION details**

<b>SI No.</b>	<b>INSTRUMENT</b>	<b>Locations</b>	<b>TYPE</b>
1	Temperature Transmitter	API Plan 52	RTD
2	Temperature Transmitter	Motor Winding	RTD
3	Pressure Transmitter	API Plan 52, NDE, DE	Direct Mount
4	Speed Transmitter	Flywheel	Proximity Sensor
5	Level Transmitter	API Plan 52	Guided Wave Radar
6	Vibration Instrument	NDE and DE side	Acceleration Transducer
7	Level Gauge	API Plan 52	Glass Tube
8	Temperature Gauge	API Plan 52	Direct Mount
9	Pressure Gauge	API Plan 52, NDE, DE	Direct Mount

**VFD DETAILS**

<b>SL. No.</b>	<b>Pump Station</b>	<b>VFD Make</b>	<b>Nos of VFDs</b>	<b>INPUT POWER</b>	<b>Drive output</b>	<b>COOLING</b>
1	PS1 ML	SIEMENS (HV)	2	3 PHASE 11KV 82A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,1300KW	FORCED AIR
2	PS1 BL	SIEMENS (LV)	2	3AC 380-480V 338A 50/60Hz	3AC 0- Input V 310A	FORCED AIR
3	PS11	SIEMENS (HV)	2	3 PHASE 6.6KV 117A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,1000KW	FORCED AIR
4	PS2	SIEMENS (HV)	2	3 PHASE 11KV 37A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,575KW	FORCED AIR
5	PS4	SIEMENS (HV)	2	3 PHASE 6.6KV 62A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,575KW	FORCED AIR
6	PS5	SIEMENS (HV)	2	3 PHASE 6.6KV, 39A 50Hz	3 PHASE 0-6.6KV 0-50Hz 270KW	FORCED AIR
7	PS8	SIEMENS (HV)	2	3 PHASE 6.6KV 136A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,1300KW	FORCED AIR
8	PS10	SIEMENS (HV)	2	3 PHASE 6.6KV 136A 50HZ	3 PHASE, 0-6.6 KV,0-50Hz,1330KW	FORCED AIR

**Detail Experiences of the Bidder**

**The Bidder shall give information on work done during the past 5 (five) years ending 30.11.2019 as per the format given below**

<b>Sl. No.</b>	<b>Brief Description of work</b>	<b>Details of Pump &amp; Motor</b>	<b>Details of Variable Frequency drive</b>	<b>Details of PLC</b>	<b>Period of contract (Date)</b>	<b>Name &amp; Postal Address of Client</b>

Signature & Seal of the Bidder: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

**Details of Present Commitment**

**The Bidder shall give information regarding present commitment as per the format given below**

<b>Sl. No.</b>	<b>Name &amp; Postal Address of Client &amp; Name of Officer-In -Charge</b>	<b>Description of work</b>	<b>Value of Contract</b>	<b>Date of Completion</b>	<b>% age of Completion as per Date</b>	<b>Expected Date of Completion</b>

Signature & Seal of the Bidder: \_\_\_\_\_

Name of Bidder : \_\_\_\_\_