

**OIL INDIA LIMITED**  
**(A Government of India Enterprise)**  
**P.O. Duliajan – 786602, Assam, India**  
**Website : [www.oil-india.com](http://www.oil-india.com)**

**EXPRESSION OF INTEREST NO: OIL/CCO/EOI/PDNO/06/2011.**  
**for**

**Hiring / Procurement of Water Injection Plant**  
**to treat the Bore Well Water and make it suitable for Injection Purpose**

OIL INDIA LIMITED (OIL), a Government of India “NAVARATNA” Category Enterprise, is engaged in Exploration, Production & Transportation of Crude Oil and Natural Gas and Production of LPG in India with participating interest in E&P sector in various overseas projects. OIL intends to establish Water Injection Plant (WIP) to treat the Bore Well Water (from 20 – 40 meters) to the prescribed limits for underground disposal at a depth of 2,500 – 3,500 meters as per the following specifications:

<b>SI No.</b>	<b>Parameters</b>	<b>Inlet Effluent Quality</b>	<b>Desired outlet Quality</b>
<b>1.</b>	pH	7.0 – 7.5	7.0 – 8.0
<b>2.</b>	Iron, ppm	2.0 – 12.0	< 0.2
<b>3.</b>	Dissolved Oxygen, ppm	0.1 – 8.0	< 0.02
<b>4.</b>	Total Suspended Solids, ppm	1.0 – 5.0	< 0.5
<b>5.</b>	Turbidity, NTU	1.0 – 20.0	< 2.0
<b>6.</b>	SRB Activity, CFU/ml	< 10 <sup>3</sup>	NIL
<b>7.</b>			

**2.0** Presently bore well water is being injected after filtration using sand entrapping filters and without any chemical treatment which is not able to provide desired outlet quality. The bore well water is directly fed to Injection pumps without any tanks for collection in between, therefore, the water injection system is an entirely closed system and injection water does not come into contact with atmosphere during the injection process. Hence, OIL intends to procure / hire WIP with chemical treatment facility, adequate filters and water tanks if required to make the injection water suitable to meet the desired level.

**3.0** OIL is having 8 water injection stations in its field head quarters at Duliajan and the volume of injection varies from 300 M<sup>3</sup>/day to 2,000 M<sup>3</sup>/day depending on the injection requirements with a total required injection volume of approximately 12,000 M<sup>3</sup>/day. OIL proposes to procure a 500 M<sup>3</sup>/day WIP for making the water suitable to meet the desired parameters for one of its installations on experimental basis. If this is found suitable to meet the required parameters, OIL wishes to procure similar WIPs for all the other installation having various capacities.

**4.0** Expression of interest (EOI) is now invited from the interested parties having necessary expertise, capabilities and experience in the field of water treatment for the above purpose. The interested parties should submit information supporting their experience, capacity and specialization in carrying out similar assignments in E&P sector. The parties should also submit a brief note on the technology which will be adopted by them to treat the raw water along with results of field implementation.

**5.0** Please note that this is not a request for proposals. After review of the EOI, parties will be short listed and those short listed parties will be invited to give presentation and also to submit their technical / financial proposals as per specified terms of reference for the first phase. The interested parties shall submit the EOI along with following details.

**EOI No. : OIL/CCO/EOI/PDNO/06/2011.**

**Description: EOI for Water Injection Plant to treat the Bore Well Water.**

**A) EXPERIENCE OF THE FIRM:**

- A Name of the party :
- B Contact details :
- C 1<sup>st</sup> such work carried out on (year) :
- D No. of Such Jobs carried out so far :
- E No. of such jobs successfully completed :
- F List of such successful jobs :

Sl. No.	Client Names	Year	Type of association (D/E/PC)	Project cost	Whether presently in operation (Y/N)

**Legends :** D---Designing E---Engineering  
P---Procurement C---Supervision & Commissioning

**6.0 LAST DATE FOR SUBMISSION OF EOI :** Interested parties may submit 2(two) copies of their EOI indicating the EOI No. on the cover of the sealed envelope latest by **13.00 Hrs (IST) on or before 06.06.2011** at the following address :

**HEAD -CONTRACTS  
OIL INDIA LIMITED  
DULIAJAN – 786602,  
ASSAM(INDIA)**

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