

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

EXPRESSION OF INTEREST NO.OIL/CCO/EOI/PDNO/03/2010
for
Hiring / Procurement of Effluent Treatment Plant
to treat the Produced Formation Water

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 Effluent Treatment Plant (ETP) to treat the produced formation water (herein after called effluent) to the prescribed limits for underground disposal as per the following specifications:

Sl No.	Parameters	Inlet effluent quality	Desired outlet quality
1.	TOC, ppm	100 – 5000 (More than 50% of oil is in free form)	< 05
2.	pH	< 7.5	8 – 9
3.	TSS, ppm	Upto 150	< 1
4.	Dissolved Oxygen, ppm	Upto 6	< 0.02
5.	Turbidity, NTU	100 to 180	< 1
6.	SRB, CFU/ml	10 ³ to 10 ⁶	< 10 ²
7.	TSS size distribution, micron	1.23 to 24	< 2
8.	Any other Bacterial activity	General Bacteria	Nil

2.0 Presently effluent is being clarified by conventional de-oiler treatment followed by gravity separation, plate coalescer, air floatation and filtration using multimedia bed filters which is not able to provide desired outlet quality for safe disposal in shallow disposal wells as well as re-injection into the reservoir for pressure maintenance. Hence, OIL intends to procure / hire ETP with advanced technology including bioremediation technique to clarify the effluent to the desired level.

3.0 In the first phase, the bidder has to demonstrate their technology through a pilot plant of minimum 200 cum per day capacity to establish the efficacy of the technology and outlet water quality for a period of 3 (three) months and shall treat at least 15,000 m³ of effluent without any interruption. During the pilot plant trial, the desired level of outlet water quality has to be attained and maintained consistently round the clock.

4.0 In the second phase, after the successful application of the technology in the pilot plant trials, the shortlisted parties will be requested to quote for large scale plants of varying capacity (OIL to decide the capacity and the number of plants nearer the time). The plant has to be on the basis of build, operate and maintain basis. The operation and maintenance of the full fledged large scale plants will be for a period of 5 (five) years which may be extended further.

5.0 Expression of interest (EOI) is now invited from the interested parties having necessary expertise, capabilities and experience in the field of effluent 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 effluent along with results of field implementation.

6.0 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/03/2010.

Description: EOI for Effluent Treatment Plant to treat the Produced Formation Water

A) EXPERIENCE OF THE FIRM:

- 1 Name of the party :
- 2 Contact details :
- 3 1st Such work carried out on (year) :
- 4 No. of Such Jobs carried out so far :
- 5 No. of such jobs successfully completed :
- 6 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

7.0 **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 14th June-2010** at the following address :

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