



ऑयल इंडिया लिमिटेड

(भारत सरकार का उद्यम)

Oil India Limited

(A Government of India Enterprise)

Conquering Newer Horizons

Invitation for Expression of Interest (EOI)

(OIL EOI No: OIL/DJN/FE/EOI/2015)

Invitation

for

EXPRESSION OF INTERESTS (EOI)

FROM

**PROSPECTIVE BIDDERS FOR DESIGN & ERECTION OF
SEWAGE TREATMENT PLANT ON
OPERATE & MAINTAIN MODEL**

Field Engineering Department

Oil India Limited

Duliajan

Assam

PIN- 786602

Invitation for Expression of Interests (EOI) from prospective Interested party s for Design & Erection of Sewage Treatment Plant on Operate & Maintain Model

1.0 INTRODUCTION:

1.1 Oil India Limited (OIL) is the second largest hydrocarbon exploration and production Indian public sector company under the administrative control of the Ministry of Petroleum and Natural Gas. The company is a state-owned Navratna with its corporate offices in Noida in the New Delhi-NCR region. OIL is engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of liquid petroleum gas. The company's history spans the discovery of crude oil in the far east of India at Digboi Assam in 1889 to its present status as a fully integrated upstream petroleum company. The field head quarter of OIL is at Duliajan, in Dibrugarh district of Assam, India. The Duliajan township of OIL is a self contained modern township having offices, residential colonies, a full fledged 170 bedded hospital and commercial establishments etc.

1.2 OIL intends to establish Sewage Treatment Plant(s) for Waste Water Treatment generated from OIL's Duliajan Township. Expression of interest (EOI) is now invited from the interested parties having proven capability in design and erection of Municipal Liquid Waste/ Sewage Treatment Plants of minimum capacity 3 MGD. The parties shall be intimated by issuance of Request for Presentation (RFP) by OIL.

2.0 BRIEF SCOPE OF WORK: The sewage generated from OIL's Duliajan Township is mainly discharged through a network of aprox. 6 Km long Main Leader Drain (MLD) to the River Burhi Dihing. OIL intends to set up Sewage Treatment Plant at a readily available plot of land located near the discharge point of MLD. The Scope of work broadly includes, but not limited to, the following:

- 2.1 Design, Procurement, Supply, Erection, Installation and Commissioning of the Sewage treatment plant. The subsequent Operation and Maintenance of the commissioned Plant shall also be under the Scope of Work.
- 2.2 Obtaining the required statutory licenses like Consent to Establish and Consent to operate approvals from the statutory authorities etc.
- 2.3 Any or all related activities for smooth operation and maintenance of the plant.
- 2.4 Continuous compliance with applicable standards and laws for construction, commissioning and operation of the plant.
- 2.5 Ensuring quality of the water from the plant before disposal as per the provisions of the contract.

3.0 ELIGIBILITY REQUIREMENT: The followings are the eligibility criteria:

3.1 Technical Requirement

3.1.1 The interested party should have experience in execution and operation of at least one Waste Water Treatment plant in India with plant capacity of minimum 3 MGD based on its own/licensed technology.

3.1.2 The interested party to submit documentary evidence to support the references provided herein for fulfilling the Technological Requirement of EOI. The following are minimum documents are required to be furnished:

- a) Details of Project(s) executed including the details of Client's contact person(s).
- b) Contract /License agreement or relevant document as proof of same.
- c) Abstract of Technology of the Project(s) executed.
- d) The interested party has to detail out the following with respect to the Project(s) executed in the official letter head:
 - I. Capacity terms of:
 - a) Number of plants, Type (Continuous, Batch Etc.), and Location
 - b) Capacity of the plant in terms of Sewage feed to Plant (ML/day)

- c) Approximate CAPEX and OPEX of the plant
- d) Quality of the Sewage being processed
- e) Quality /test certificate for the final products
- f) Amount of Residual Waste generated in the Process (Solid ,Gas etc) & their disposal
- g) Safety measures adopted
- II. Date of commissioning & present status.
- III. Statutory clearances from the authorities
- IV. Technology involved highlighting the following:
 - a) Treatment process i.e. Biological, Chemical or physical etc.
 - b) Waste water pre-treatment process.
 - c) Whether the Interested Party is holding a technology patent for the process, if so in which country, and details thereof.
 - d) Whether the said project(s) have been worked in collaboration with other partners or on own and the details of freedom to operate.
- V. Performance of the unit for at least one year indicating plant load (average & highest), major operation problems & remedial measures taken and reasons of shutdown if not operating presently.
- VI. Performance Guarantee parameters and Confirmation on meeting guaranteed performance satisfactorily.

3.2 Financial Details

3.2.1 Prospective Interested party s shall provide details of net worth and turnover (in INR) of the Company for the last three financial years.

3.3 General

3.3.1 The prospective interested party must not have been debarred / blacklisted by any Govt. Department, Agency, PSUs / Institution / Agencies / Autonomous Organizations. The prospective interested party shall submit a self-certification by an authorized person to this effect.

4.0 EOI PRESENTATION: Interested parties are requested to submit their application/ offer within 10 (ten) days of this Publication. The eligible parties shall be intimated by issuance of Request for Presentation (RFP) by OIL. The presentation shall be followed by a discussion.

4.1 The Interested party(s) invited through RFP shall have to make a presentation, which amongst others shall include the followings:

- a) Parameters to be considered for designing a Municipal waste Water / Sewage Treatment Plant.
- b) The Statutory clearance(s) to be obtained prior to establishment of a Municipal waste Water / Sewage Treatment Plant.
- c) The Statutory clearance(s) to be obtained for operation of a Municipal waste Water / Sewage Treatment Plant.
- d) The available technologies in the field of Municipal waste Water / Sewage Treatment. The advantages and disadvantages of the different technologies may please be highlighted.
- e) A schematic of the offered plant. We prefer for two/ three design schematics based on different technologies. The estimated power requirement for the same to be highlighted please.
- f) A tentative time frame for completion of the Sewage Treatment Plant.

The presentation shall be followed by discussions with the interested party (s).

4.2. Design Parameters to be considered for Presentation:

- a) Geographical Location of Duliajan, Assam: 27.3667° N, 95.3167° E
- b) Capacity: For presentation purpose, Sewage Treatment Plant of capacity 4 MGD may be considered.
- c) Land Availability: Available
- d) Length & Avg. Cross Sectional Area of MLD: 6 KM & 14.5 SqM.
- e) A few prominent characteristics of sewage being discharged to the MLD are appended below:

Sl. No	Characteristics	UoM	Desirable limits (to be considered for presentation purpose)	Parameters in MLD (to be considered for presentation purpose)
1.	Appearance	--	Clear	Turbid
2.	Turbidity	NTU	--	132
3.	p ^H	--	5.5-9.0	6.5-8.01
4.	Chloride (as Cl)	mg/l	1000 (Max)	2153
5.	COD	mg/l	250 (Max)	176
6.	Sulphate	mg/l	1000 (Max)	71.3
7.	TDS	mg/l	2100 (Max)	3540
8.	Suspended Solids	mg/l	100 (Max)	826
9.	Free Chlorine	mg/l	1.0 (Max)	NIL
10.	Nickel	mg/l	3.0 (Max)	0.040
11.	Fluoride	mg/l	2.0 (Max)	1.65
12.	Sulphide	mg/l	2.0 (Max)	Below Detectable Limit
13.	Phenolic Compound	mg/l	1.0 (Max)	1.36
14.	Lead	mg/l	0.1 (Max)	0.09
15.	Zinc	mg/l	5.0 (Max)	0.54
16.	Phosphate	mg/l	5.0 (Max)	Below Detectable Limit
17.	Boron	mg/l	2.0 (Max)	1.9
18.	Chromium	mg/l	0.1 (Max)	0.050
19.	Copper	mg/l	3.0 (Max)	0.080
20.	Oil & Grease	mg/l	10.0 (Max)	11.8
21.	Oxides of Nitrogen	mg/l	20.0 (Max)	3.37
22.	Total Bacteria Count	CFU/ml	--	2300000

5.0 SUBMISSION OF EOI:

The Interested Parties are requested to send the EOI document along with all supporting documents as mentioned above, duly signed and stamped on each page (in original + one copy) so as to reach at the following address within the due date & time:

MR. S P DEKA, HEAD – FIELD ENGINEERING DEPARTMENT
FIELD ENGINEERING DEPARTMENT,
OIL INDIA LIMITED , DULIAJAN, ASSAM. PIN – 786602
PHONE: 0374-2808336

NB: The EOI document to be sent in Sealed envelopes superscripting the Envelop as: “**Expression of Interest: OIL EOI No: OIL/DJN/FE/EOI/2015**”

The soft copy of the EOI to be sent to: spdeka@oilindia.in

5.1 The name, address, e-mail ID and phone no/mobile no of contact persons shall have to be clearly mentioned in the EOI document.

5.2 The presentation and discussion with the invited parties is tentatively scheduled in Kolkata during the 2nd/3rd Week of December’2015 depending upon the response to the advertisement. The invited parties shall be intimated about the exact venue, date and time nearer the time.

5.3 OIL reserves the right to accept or reject any EOI and to annul the process and reject all EOI at any time without thereby incurring any liability to the affected prospective interested party(s) or any obligation to inform the affected parties of the grounds for the OIL's action.

5.4 The EOI and all correspondence incidental and related to EOI shall be in English language. Any printed literature and document submitted in any other language should be accompanied by authenticated English translation, in which case, for purpose of interpretation of the EOI, English translation shall govern. Responsibility for correctness in translation shall lie with the prospective interested party.

5.5 OIL will not be responsible for any costs or expenses incurred by the prospective interested party in connection with preparation or delivery of EOI and in attending the presentation and discussion as mentioned in Para 5.2.
