

**OIL INDIA LIMITED**  
**(A Govt. of India Enterprise)**  
**PSS DEPARTMENT**  
**P.O. Duliajan-786 602(Assam)**

**INVITATION FOR EXPRESSION OF INTEREST (EOI)**  
**(EOI) NO. \_EOI/PSS/STF/DFW-001/2021-22 dated 08.12.2021**

**Subject: Expression of Interest (EOI) for “Hiring of Service for Desalination of ETP Treated Water of Secondary Tank Farm, Madhuban at Oil India Limited including transfer of generated salt outside the plant”**

**1.0 PREAMBLE:**

OIL INDIA LIMITED (OIL), a Government of India Enterprise under the Ministry of Petroleum and Natural Gas, is a premier up-stream Oil Company engaged in the business of Exploration, Production & Transportation of Crude Oil & Natural Gas as well as production of LPG, having its Headquarter at Duliajan, Assam in India. Its operations are largely based in the North-eastern parts of India particularly in Assam and Arunachal Pradesh but have also extended its activities in different parts of India and abroad.

Secondary Tank Farm (STF) of Oil India Limited (OIL) is a tank farm designed to store 40,000KL of Crude oil . It also has facility to process and dehydrate crude oil and treat the separated formation water in a dedicated ETP plant to meet the water quality requirements stipulated by CPCB/PCBA for water injection. Design capacity of the STF dehydration facility is 13,000 KLs per day while Effluent Treatment (Formation Water Treatment) Plant (ETP) has a design capacity of 7200 KL per day. The dehydrated crude oil is then transferred to refineries while the clarified treated water from ETP is disposed in water disposal wells/ injection wells.

The treated water coming out of the ETP plant at STF has high salinity making it unfit for disposal in surface, hence OIL intends to **hire the services of suitable vendor/firm/contractor who can carry out desalination of this water thereby bring down the salinity to a level making the water suitable for disposal in surface.**

**2.0 OBJECTIVE:**

**Present Parameters of STF ETP Treated Water:**

pH: 7.0-8.0  
Turbidity: 0.1-0.5 NTU  
Oil & Grease: 0-2 ppm  
Dissolved Oxygen: 0.05-0.1 ppm  
TDS: 2000-3500 ppm  
**Salinity: 2000-3500 ppm**

OIL is planning to remove salt (desalination) from the above ETP treated water so that the water can be reused/can be disposed in surface. Around **1500-2000 kl** of formation water is treated in the ETP plant on daily basis. Hence an adequate amount of water can be recovered and can be reused. Therefore, OIL intends to hire a service contract for desalination process. Salinity of drinking water should be less than 250 ppm [according to **Bureau of Indian Standards** for drinking water (IS: 10500:2012)]. Hence the requirement of amount of salt to be removed from the ETP treated water through desalination process (on daily basis) is around **3000 Kg-6000 Kg.**

Oil India limited invites expression of interest from experienced firm/contractor for “Design, supply, build, operate, maintain a desalination plant of minimum 3000KLPD capacity at STF Madhuban. The firm/contractor will also have to arrange for disposal of the generated salt at a suitable location outside the plant. The location for disposal outside the plant as well as transportation will be in firm/contractor’s scope.

### **3.0 LOCATION OF THE AREA:**

STF Madhuban where the desalination plant will have to be established is located at a distance of around 40Km from Dibrugarh town in Assam. It is located at a distance of around 3 Km from Duliajan.

### **4.0 PLANNED SCOPE OF WORK:**

Scope of work under this EOI broadly encompasses the following jobs:

- a) Design, supply, build, operate, maintain a desalination plant of minimum 3000KLPD capacity at STF Madhuban.
- b) Disposal of the generated salt at a suitable location outside the STF plant. The location for disposal outside the plant as well as transportation will be in firm/contractor’s scope. The vendor may also suggest the salt disposal technology to be used along with necessary approval from statutory bodies (if applicable) for the same if any with the EOI. The vendor may also suggest any alternate use of the generated salt that can be used in nearby industries.
- c) All other utilities/sub-systems required for operation of the desalination plant will have to be arranged by the firm/contractor.
- d) Supplying of any other required services including equipment’s such as pumps, Piping’s, Valves, Gauges, Meters, all required Instrumentation and control facilities etc. will be under the scope of the vendor.

OIL will provide suitable encumbrance free land inside STF Plant at Madhuban/or nearby for installing the desalination plant facilities. OIL will also provide and arrange to lay any necessary pipeline required from OIL ETP plant to vendor desalination plant for transfer of water. Interested party will have to furnish approximate requirement of quantity of land, power, air, water, and any other utilities required at Injection sites for the project.

### **5.0 PERIOD OF CONTRACT:**

The period of Contract will be for a period of 04 (Four) years and shall be extendable for another 01 (one) years on mutual agreed rates limiting to the contract rates and the same terms and conditions at the discretion of OIL.

### **6.0 SAFETY COMPLIANCE:**

The Service Provider/Contractor/Vendor must have established health, safety, security and environment management system and shall have to comply with the applicable guidelines, Labour laws rules 2017, MoE&F (Ministry of Environment and Forest) directives of India and any other statutory regulations. The Service Provider/ Vendor/ Contractor shall prepare the required site & specific SOP(s) for safe operations for operational convenience as required for the job.

### **7.0 PRE-QUALIFICATION CRITERIA:**

Considering that the Project is one of its kind to be tried first in Oil India Limited in field level, it is anticipated that the prospective interested party is technically as well as financially competent on its own or can participate through a consortium of companies or Joint Venture. Consortium or Joint Venture EOI(s) shall be submitted clearly defining the role/scope of work of each partner of Joint Venture/members of the consortium. Joint Venture agreement or

Memorandum of Understanding (MOU) between the consortium members duly signed by the authorized Executives of the Joint Venture partner or consortium members will be required during bidding stage. Detail modalities of participation in case of consortium of companies or Joint Venture will be a part of the Tender.

The interested party must fulfil the following minimum qualifying criteria:

- Should be properly registered company.
- Should have minimum 03 (Three) years' experience in design, supply, installation, commissioning and operation and maintenance of desalination plant from the date of publication of the EOI.
- Should have the infrastructure and financial capability to complete development, supply, construction and installation of all facilities in order to be ready for operating the desalination plant within 12 (12) months of issue of Letter of Award by the Company.

Interested parties are requested, as a minimum, to submit the following documents and details:

**A. HSE Systems:**

- i. HSE Statistics in terms of LTI/LTIFR/Near Miss Incidents for all projects executed in last 03 (Three) years to be reckoned from the date of publication of the EOI.
- ii. Existing HSE Management System of the company.

**B. Company information as under:**

- i. Name of the Contractor/Service Provider.
- ii. Address, Phone, E-mail of the Contractor/Service Provider.
- iii. If a Joint Venture/Consortium is proposed, Name, Address, Phone, E-mail of all Joint Venture partners/consortium members.
- iv. Organization Structure of the Contractor/Service Provider

**C. Company's Financial Performance Documents (including JV Partner's/Consortium Partner's financials, if proposed) i.e. Audited Balance Sheets, Profit and Loss Account & Cash Flow Statements for the preceding 03 (Three) financial/accounting years to be reckoned from the date of publication of the EOI & following details separately:**

- i. Company Turnover based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI
- ii. Company's Net Worth based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.
- iii. Working Capital based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.

**D. Experience:**

- i. List of projects involving design, supply, installation, commissioning and operation and maintenance of desalination plant successfully executed in the last three years currently under execution in India or abroad with completion certificates as applicable.
- ii. Detail of current commitments including percentage completion of the ongoing works.

**E. Manpower & Infrastructure Details:**

- i. Details of Key Members who shall be involved in the Project execution including their experience levels.

- ii. Detail of logistical infrastructure owned by the Company relevant to execution of the job.

## **8.0 GENERAL NOTES:**

- i. All documents submitted along with the EOI should be clear & legible.
- ii. The EOI is liable to be ignored in case of submission of any misleading/ false representation by the Technology Provider/Service Provider/ Contractor/ Vendor/ Company
- iii. OIL INDIA LIMITED reserves the right to ignore any or all EOIs and also to curtail/ enhance the scope of work stated above, if required, without assigning any reason thereof.
- iv. This EOI is non-binding in nature and submission of information should not be considered as shortlisting / selection for company in any subsequent RFP/ Tender/ Bid process that may be undertaken in future.
- v. OIL reserves the right to terminate the EOI process at any point of time without assigning reason.
- vi. No participant shall contact OIL on any matter relating to the EOI after the last date of submission of EOI unless requested for so in writing. Any effort by the bidder to influence OIL in the decision making in respect of EOI will result in the rejection of that bidder.
- vii. Based on the responses received against this invitation, a virtual meeting/ offline discussion (as per convenience of OIL) may be held with the responding Technology Provider/ Service Provider/ Contractor/ Vendor/ Company to discuss on the information/ views submitted. Date and time shall be intimated separately.

## **9.0 SUBMISSION OF EOI:**

- 9.1 Interested Parties/Vendors/Contractors/Service Providers having relevant experience and expertise (details are available at OIL's website-[www.oil-india.com](http://www.oil-india.com)) are invited to submit their EOI(s) at our e-mail id [hasinur\\_rahman@oilindia.in/](mailto:hasinur_rahman@oilindia.in) [ppadhyapak@oilindia.in/](mailto:ppadhyapak@oilindia.in) [abhishek.baruah@oilindia.in/](mailto:abhishek.baruah@oilindia.in) [prajesh\\_das@oilindia.in](mailto:prajesh_das@oilindia.in) within **28-12-2021 up to 15:00 Hrs (IST)** or hard copies of the EOI in sealed envelopes super-scribing "Expression of Interest (EOI) for **Hiring of Service for Desalination of ETP Treated Water of Secondary Tank Farm, Madhuban at Oil India Limited including transfer of generated salt outside the plant**" through courier/ post to the following address:

**CGM-PSS (HoD)  
OIL INDIA LIMITED  
PSS DEPARTMENT  
P.O. DULIAJAN-786602  
DIST. DIBRUGARH, ASSAM, INDIA**

- 9.2 In case, the above-mentioned date happens to be a non-working day for OIL in Duliajan due to Bandh/holiday or for any other reason(s), EOI(s) shall be received up to the next full working day till 15:00 Hrs. (IST) and opened accordingly. EOI may be sent by e-mail /post/ courier service or delivered personally at the office of GM-Contracts, Oil India Limited, Duliajan-786602, Assam. However, OIL shall not be responsible for any consequence arising out of delay in receipt or non-receipt of EOI.
- 9.3 Oil India Limited reserves the right to
- (a) Either accept or reject any EOI,
  - (b) Cancel the process, without assigning any reason(s) whatsoever.

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ANNEXURE – A

**Experience of providing services as mentioned in 7.0 during the last 3(Three) years proceeding to the scheduled closing date of this EOI.**

Sl. No	Contract No.	Name & contact details of client	Place of Operation	Details of Services carried out	Start date of contract	End date of contract
1						
2						
3						
4						
5						

N.B: Please add rows & extra sheets if required.

Signature & Name of personnel:

Seal of Bidder

Name of Vendor:

**CERTIFICATE OF ANNUAL TURNOVER & NET WORTH**

TO BE ISSUED BY PRACTISING CHARTERED ACCOUNTANTS' FIRM ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s..... (Name of the Vendors/Contractors/Service Providers) for the last three (3) completed accounting years upto .....(as the case may be) are correct.

YEAR	TURN OVER In INR (Rs.) Crores/ US \$ Million)	NET WORTH In INR (Rs.) Crores/ US \$ Million)

\*Rate of Conversion (if used any): USD 1.00 = INR.....

Place:

Date:

Seal:

Membership No. :

Registration Code:

Signature

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ANNEXURE-C

Details of current work in hand and other contractual commitments of Vendor/Service Provider:

Sl. No	Contract No.	Name & contact details of client	Place of Operation	Details of Services	Period of contract (From-To)	Start date of contract
1						
2						
3						

N.B: Please add rows & extra sheets if required.

Signature & Name of personnel:

Seal of Bidder

Name of Vendor:

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