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for

GLOBAL EXPRESSION OF INTEREST (EOI) NO. EOI/GLOBAL/O/164/2019-20

Oil India Limited, a Government of India “NAVARATNA” Category Enterprise, engaged in the business of Exploration, Production & Transportation of Crude Oil and Natural Gas and Production of LPG invites Expression of Interest (EOI) from International service provider(s) against **EOI No.: EOI/GLOBAL/O/164/2019-20** for **‘A Gas Processing Facility in Deohal area on BOO (Build Own and Operate) basis with Gas Production Capacity: 2.5-3.0 MMSCUMD and Liquid Handling and Storage Capacity: 150-200 KLPD’**. Interested Parties having relevant experience and expertise (details are available at OIL’s website - www.oil-india.com) are invited to submit their EOI(s) at our e-mail id: eoicontracts@oilindia.in or gcd@oilindia.in, arupsarmah@oilindia.in, upasana_malakar@oilindia.in within the stipulated date as indicated in the detailed EOI, followed by hard copies of the same through courier/post. The offer(s) may also be uploaded in Parties’ FTP server/File sharing website (portal) and the link(s) may be provided to us at any of our above e-mail id within above specified period. All Corrigenda, addenda, amendments, time extensions to the EOI will be hosted on the website and no separate notification shall be issued in the press. Prospective participants against the EOIs are requested to visit the website regularly to keep themselves updated.

SUB: A GAS PROCESSING FACILITY IN DEOHAL AREA ON BOO (BUILD OWN AND OPERATE) BASIS WITH GAS PRODUCTION CAPACITY: 2.5-3.0 MMSCUMD AND LIQUID HANDLING AND STORAGE CAPACITY: 150-200 KLPD.

1.0 PREAMBLE

OIL INDIA LIMITED (OIL), a Government of India Enterprise, is a premier Oil & Gas Company engaged in exploration, production and transportation of hydrocarbon with its headquarters at Duliajan in Dibrugarh district of Assam, India. The company has operating interests across the country as well as in several foreign countries. The major Oil & Gas producing assets of the company are located in Upper Assam Basin of North East India, barring a hydrocarbon producing asset in Rajasthan. Duliajan has railway and air connectivity with the nearest airport at Dibrugarh, 50 km away.

2.0 OBJECTIVE

It has been proposed to create a Field Gas Gathering Station (FGGS) in Deohal area with gas handling capacity: 2.5-3.0 MMSCUMD and Liquid Handling and Storage capacity: 150-200 KLPD on hiring basis (Build Own and Operate) with all safety provisions and as per guidelines of OISD and OMR 2017. The hydrocarbon produced from Deohal area has shown presence of CO₂ and Sulphur which are detrimental to the downhole tubulars, surface piping network and production facilities. Oil India Limited invites EOI from reputed and established E & P Vendor/experienced process solution providers for creating a Field Gas Gathering Station (FGGS) in Deohal area with complete facilities for gathering, storing, transportation and field instrumentation systems. As a part of requirement project, OIL plans to utilize the services of Service Providers/Agencies/Firms who have the expertise in building an FGGS as well as O&M.

Accordingly this EOI shall be floated for seeking expression of interest (EOI) from suitably experienced Service Providers/Agencies/Firms (either single or in consortium) for handling, storage, transportation of hydrocarbon gas and liquid as well as O&M of the proposed facility.

3.0 LOCATION OF THE AREA: The Company has operating interests across the country as well as in several foreign countries. However, the major Oil & Gas producing assets of the company are located in Upper Assam Basin of North East India, barring a hydrocarbon producing asset in Rajasthan. The Operational Area for installation/commissioning, operation and maintenance will be in Deohal Area of Central Asset of the company which is approximately 14 KM from Field Head Quarter - OIL, Duliajan.

4.0 BROAD SCOPE OF WORK

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

- (i) Construction of a Field Gas Gathering Station (FGGS) on BOO basis (Build Own and Operate) with:
- a) Gas production capacity : 2.5-3.0 MMSCUMD
 - b) Liquid Handling : 150-200 KLPD
 - c) Non-Luminous Flare of Flaring Capacity: 0.15 MMSCUM/ Hr
 - d) Liquid storage capacity : 500 Kls
 - e) Liquid Pumping Capacity : 100-200 KLPD at 20-40 KSC
 - f) Fire Fighting Equipment's/Arrangements should be as per OISD 189, besides having a Stand by Fire Tender along with manpower 24x7.
- (ii) The facility shall have provisions for gathering, storing and transportation of gas and condensate/crude oil pumping facility. Metering facility to monitor individual well flow rates, pressures, temperatures etc. Provision should also include installation of a gas chromatographer to measure the components of gas for individual well production as well as the composition of the total produced gas of the installation. Requirement of power, instrumentation etc. to the meter shall be within the scope of the contractor. The facility should preferably be involving a module or modules as the basis of design or construction.
- (iii) The gas is saturated with water and condensate and gas composition is typical and is subject to variation. Gas composition % (Vol/Vol):
- | | | |
|-----------------|---|-------------|
| Methane | : | 91.18-85.56 |
| Ethane | : | 4.88-3.28 |
| Propane | : | 2.56-1.43 |
| iButane | : | 0.42-0.80 |
| nButane | : | 0.35-0.65 |
| iPentane | : | 0.18-0.23 |
| nPentane | : | 0.05-0.15 |
| Hexane Plus | : | 0.20-0.86 |
| Nitrogen | : | 0.75-1.23 |
| Carbon Di-Oxide | : | 0.95-1.95 |
- (iv) Gas analysers/Gas chromatographers should be in line of well test line so that both individual as well as composite sample can be analysed as when required. These well test information(s) along with liquid storage information with water content (% of water) should be available on line i.e. Real-time monitoring of both produced Gas & Liquid should be available from Duliajan.
- (v) To measure the produced HP gas, HP Flare, transport the HP natural gas from OIL's FGS battery limit, measure the liquid produced in FGGS.
- (vi) To provide all utilities and support services for maintenance and operation of the FGGS. The scope of Work encompasses engineering, supply, transportation,

installation, construction, commissioning, operation and maintenance of FGGS. It also shall include all civil/structural/mechanical/ piping/instrumentation/electrical works required for the installation.

- (vii) To acquire or hire land required for constructing the installation.
- (viii) The station shall be built, maintained and operated as per OISD and OMR guide lines in Force. Safety & Security of men, material, etc arrangement to their assets as per established and as per Law of the Land or provision(s) of Acts in force. All materials & equipment's details, permissions & approvals shall be submitted to OIL before starting operations. To construct proper brick boundary wall along with gate(s), to do site development including site grading, construction of approach roads, foot paths, and storm water drains etc. Storm water drain shall be separate from that of the process drains. To construct suitable accommodation/office for operating staff including wash room cum toilets (Additional one wash room and toilet for ladies), rest rooms, store rooms, scrap yards etc. To construct proper shed/protective covers for all equipment including process vessels, power generating set, electrical, instrumentation equipment etc.
- (ix) To supply and install all equipment, instruments, including pipe lines, skid mounted process vessels, crude oil/condensate storage tanks, auxiliary equipment/items such as fuel filters, scrubbers etc., piping, pressure vessels, instruments and control systems, electrical items shall be of API standards etc.
- (x) To provide adequate firefighting equipment viz. fire drenching pump systems, fire extinguishers, sand buckets etc.as per OMR and OISD- 189.
- (xi) To arrange and provide all consumables like lube oil, HSD, coolant, cleaning agents and utilities like water for drinking, washrooms, fire-fighting etc., air for pneumatic supply & instrumentation items, electric power, illumination for round the clock operation of the station. Illumination level should be as per OISD guidelines.
- (xii) A walkie-talkie facility should be available at the plant. A stand by vehicle to cater for any emergency situation should be available at site on 24x7 basis.
- (xiii) To install and provide adequate noise abatement equipment, PPE's for noise and facilities so that the noise level is within the limits of statutory rules and regulation. Sorting out of any problem arising out of this issues shall be the sole responsibility of the contractor.
- (xiv) To carry out operation of the installation on continuous basis and maintenance of the same with competent trained manpower. To obtain statutory approvals from concerned statutory authorities as and when required and perform work in accordance with such approvals. All such approvals shall be produced to OIL and record shall be maintained in bound book to show the compliance of the statutory approvals. Such updated

records shall be readily available at the installation to be produced as and when required. The competent personnel deployed at the installation shall undergo IME, PME, MVT, MVT(R), First Aid, Fire-fighting training etc. as per Statutory guidelines. The contractor shall depute his manpower/competent personnel for training session as and when trainings are being conducted by OIL without affecting the operation of the installation.

(xv) To dismantle and demobilize the installation/plant after completion of the Contract. The plant site shall be reclaimed to its original state if the requirement exists.

(xvi) Addition or Re-location of installation facilities:

Within the contracted period there may be possibility of increase/decrease in gas availability as well as composition also which may warrant the contractor to source and install additional process facilities/ units with prior notice from OIL. There may be another situation where the gas availability in an existing site will become nil and at the same time there will be availability of gas at another location, in that case the contractor may be required to relocate the complete installation to the new site and continue operation at the new location at the same terms and conditions. Relocation of facility shall cover all the activities involved in the initial installation i.e. land acquisition, site preparation, all civil, electrical works & other utilities including obtaining statutory approval/permissions etc. instruments, piping etc. The re-location movement may be to any place in OIL's operational area within the districts of Dibrugarh and Tinsukia.

(xvii) All equipments shall be and shall meet all design and manufacturing criteria established in industry and certified as per relevant industry and API standards. The bidder has to provide detailed technical specifications along with all relevant technical catalogues of the offered packages at the time of bidding.

(xviii) The bidder shall submit an undertaking at the time of bidding for acceptance of single point responsibility for total safety, engineering, supply, transportation, installation, construction, commissioning, operation and maintenance of the entire installation/plant for the entire period of the contract.

(xix) The contractor shall have an office at Duliajan with telephone/fax/ e-mail facilities and an engineer with mobile phone facility, who shall liaise and report on daily basis regarding the operation/maintenance of the entire facility. Daily production report is a must.

(xx) All works/systems shall be designed and constructed in accordance with the prevalent National/International codes and practices with applicable safety codes/standards/API standards.

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- (xxi) All electrical apparatus, instrumentation items/system shall be suitable for the hazardous area classification as per applicable National/International standards and statutory regulations.
- (xxii) The Gas and liquid processing facility shall be considered as successfully commissioned only after obtaining valid approval from concerned authority. The documents to be submitted to OIL on successful commissioning of the plant and before beginning of operation.
- (xxiii) OIL shall inspect the facilities/equipment deployed by the Contractor and if any deficiencies are observed, the Contractor shall remove such deficiencies promptly upon receipt of such instructions from OIL.
- (xxiv) If OIL desires, an HSE interface agreement between both OIL and the contractor shall be in place before commissioning of the facility.
- (xxv) Contractor shall be totally responsible for any local disputes arising out of operation of the plant/facility including disputes related to their work persons.
- (xxvi) Gas Measurement:

The unit of gas measurement shall be in Standard Cubic Meter (SCM). The contractor shall supply, install, commission and maintain flow meters with flow computer/totalizer in each pipeline within the installation for measuring and recording of liquid and natural gas flow rate. The design of the flow meter shall be done as per operational data. One of the flow meters shall be termed as main meter and the other as check meter used for continuous checking of the main meter performance or vice-a-versa. Beside Custody Meters the Service Provider shall also provide a space to Install OIL's SCADA meters and power supply to it and will be within the scope of service provider. The main meter measurement shall be used for invoicing purpose. These two flow meters shall be of same make and model to be mutually agreed by the contractor and OIL and shall conform to the latest AGA standard. If the variation in the measurement of the flow between the meters is within + or - 2% (two percent), the main flow meter measurements shall be considered for invoicing. If it is more than +/- 2%, the average of both the meters shall be considered. However, both the main and check meters would be checked and calibrated within a week (7 days) time and correction shall be done. A suitable mechanism shall be established to compare the values of both the meters on daily basis and records to be maintained.

- (xxvii) Installation, operation, maintenance, calibration, and computation of gas quantity shall be in accordance with the appropriate Gas Measurement Committee report of American Gas Association (AGA), latest edition. The calibration frequency of the flow meters shall be as per industry standards applicable and mutually agreed by both OIL and the contractor. Calibration shall be done in presence of both the parties.

(xxviii) In case of faulty flow meters the contractor shall replace the same free of charge. In case of single meter in operation due to the other meter out of service for whatsoever the reason, the gas quantity shall be determined as per the reading of the available meter. In any case it is the responsibility of the contractor to maintain one meter on delivery line on operating condition. The faulty meter shall be repaired/replaced by the contractor within 30 days. OIL's authorized competent personnel shall examine relevant records and calculations of the metering and measuring equipment whenever necessary. The records of measurement shall be reported to the Engineer-in-Charge in the form of daily report. The records of measurement duly certified by the Engineer-in-Charge shall accompany the monthly bills of the Contractor.

Location: Location is FGGS Deohal. The sites shall be shown to the contractor, if they desire so. A pre-tender meet shall be held at Duliajan/Guwahati. Bidders are requested to attend the pre-tender with their associates and employees who have sufficient technical know-how and authorized to take decisions, sort out queries etc.

SPECIAL NOTES:

The interested parties/bidders may visit the site and familiarize themselves thoroughly with the site condition, operating procedures etc. Site condition shall not be a reason for any deviation at later stage of the contract.

5.0 PERIOD OF CONTRACT

The period of contract shall be for a period of 05 (Five) years and shall be extendable for another 02 (Two) years on mutual agreed rates limiting to the contract rates and the same terms and conditions at the discretion of OIL. Commissioning of the entire gas/liquid processing facility shall be completed within 500 (Five Hundred) days from the date of issue of Work Order (WO). The contractual period of 05 (Five) years shall start from the date of production/process plant start commissioning and likely to be extended by another 02 (Two) years with same terms and conditions of the contract including commercial/financial implications. Any delay in commissioning of the said plant within 500 (Five Hundred) days from the date of issue of work order will amount to/subject to face penalties. The service provider/contractor/JVs have to possess land in their name (i.e. Firm/Service Provider/JVs etc.) either on out right purchases or on lease (if on lease than at least for a period of 10 (Ten) years) valid from the date of issue of work order (WO). The necessary documents in this regard shall be submitted to OIL within 90 (Ninety) days from the date of issue of LOA.

6.0 PRE-QUALIFICATION CRITERIA

Considering that the Project is one of its kind for handling corrosive gases and condensate, it is anticipated that the prospective interested party is technically as well as financially competent on its own or through a consortium of companies or Joint Venture. Consortium or Joint Venture EOI(s) shall be submitted with 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:

- 6.1 Should be registered company as per Government laid down policy.
- 6.2 Should have minimum 03 (Three) year's experience in operation, storage, transportation, utilization of similar facility/operation to be reckoned from the date of publication of the EOI.
- 6.3 Should have the infrastructure and financial capability to complete development, procurement, construction and installation of all facilities in order to be ready as per scope of work within 500 (Five Hundred) days of issue of Letter of Award by the Company.
- 6.4 Should indicate on what capacity the Contractor/Service Provider wants to bid i.e. either as single entity, JV, Consortium etc.

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

(i) **HSE Systems:**

- a. 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.
- b. Existing HSE Management System of the company.

(ii) **Company information as under:**

- a. Name of the Contractor/Service Provider.
- b. Address, Phone, E-mail of the Contractor/Service Provider
- c. If a Joint Venture/Consortium is proposed, Name, Address, Phone, E-mail of all Joint Venture partners/consortium members.
- d. Organization Structure of the Contractor/Service Provider.

(iii) **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:

- a. Company Turnover based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.
- b. Company's Net Worth based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.

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- c. Working Capital based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.

(iv) **Experience:**

- a. List of projects involving storage, transportation, utilization and pumping of industrial gas in cryogenic state successfully executed in the last three years or currently under execution in India or abroad with completion certificates as applicable.
- b. Detail of current commitments including percentage completion of the ongoing works.

(v) **Manpower & Infrastructure Details:**

- a. Details of Key Members who shall be involved in the Project execution including their experience levels.
- b. Detail of logistical infrastructure owned by the Company relevant to execution of the job.

(vi) **Quality/Other Systems:**

- a. Copy of current ISO Certificate or other certifications. if applicable.
- b. Certification of the Companies QA system by an accredited certification body, if applicable.
- c. QMS of the Company, if applicable.
- d. Copy of registration certificate (Labour Law, EPF etc. as applicable).

7.0 NOTE

- (i) Interested Contractor/Service Provider must provide the requirement with clearly indicating the EOI number and EOI Description on their EOI response.
- (ii) All documents submitted with the EOI must be self-certified by the Contractor/Service Provider's authorized person. However, OIL reserves the right to verify the original documents.
- (iii) All the copies of document submitted along with the EOI should be clear and legible.
- (iv) OIL INDIA LIMITED (OIL) reserves the right to physically check the original documents/certificates, copies of which are submitted along with the EOI.
- (v) The EOI is liable to be ignored in case of submission of any misleading/false representation by the Contractor/Service Provider in the form of statements and attachments.

8.0 SUBMISSION OF EOI:

Interested vendors having relevant experience and expertise as above are invited to submit their EOI(s) at e-mail id: eoicontracts@oilindia.in or gcd@oilindia.in, arupsarmah@oilindia.in, upasana_malakar@oilindia.in within **30.07.2019 upto 15:00 Hrs (IST)**, followed by hard copies of the same in sealed envelopes super-scribing **“GLOBAL EXPRESSION OF INTEREST (EOI) NO. EOI/G/O/164/2019-20 FOR A Gas Processing Facility in Deohal area on BOO (Build Own and Operate) basis with Gas Production Capacity: 2.5-3.0 MMSCUMD and Liquid Handling and Storage Capacity: 150-200 KLPD”** through courier/post to the following address:

CHIEF GENERAL MANAGER (CONTRACTS)
OIL INDIA LIMITED
CONTRACTS DEPARTMENT
DULIAJAN-786602, ASSAM, INDIA.
Phone: 91-374-2808664,
Website: www.oil-india.com

Vendors may also upload their offer in their FTP server/File sharing website (portal) and the link(s) may be provided to us at our e-mail within the above specified period.

- 8.1 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 reasons, EOIs shall be received upto the next full working day till 15:00 Hrs. (IST) and opened accordingly. EOI may be sent by post/courier service or delivered personally at the tender box placed in the above office. However, OIL shall not be responsible for any consequence arising out of delay in receipt or non-receipt of EOIs.
- 8.2 OIL reserves the right for the following:
- (a) To accept or reject any/all EOIs submitted by parties; and
 - (b) To cancel the process at any time without any liability and assigning any reason thereof to the applicants.
