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EOI No. AGCL/O&M/EOI\_BOO/2020/01/02

Date: 10/03/2020

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## **Expression of Interest (EOI) for Hiring Consultancy Services for Inspection of natural gas compressor packages supplied on BOO basis.**

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### **Introduction**

Assam Gas Company Ltd., a Govt. of Assam Undertaking was incorporated on March 31, 1962 in Shillong as a limited company wholly owned by the Government of Assam to carry out all kinds of business related to natural gas in India. The first gas transportation business started in the year 1967 with supply of natural gas to Namrup Thermal Power Station of APGCL. Subsequently, the company grew from strength to strength and stands today as one of the premier natural gas transmission and distribution company in India.

### **Background**

ASSAM GAS COMPANY LIMITED (AGCL), a Government of Assam Enterprise, is a premier Oil & Gas Company engaged in transportation and distribution of natural gas with its headquarters at Duliajan in the Dibrugarh district of Assam. To provide uninterrupted pressurized gas to our consumers mainly situated at Golaghat, Assam Gas Company Ltd (AGCL) has set up a Gas Compression Station on BOO basis at Uriamghat in Golaghat district since 2008. The gas being supplied by ONGC Khoraghat fields at their GGS-1 off take point at a pressure of 3 kg/cm<sup>2</sup> (g) is fed to the Uriamghat compressor station of AGCL run on built owned and operate basis through a 200mm (8") 12 KM gas pipeline to lift on an average 30,000 to 45,000 SCUM of gas per day. The gas is compressed to a pressure of 15-16 kg/cm<sup>2</sup> (g) and transported through a 46 KM 100 mm (4") gas pipeline which connects with the Duliajan-Namrup-Lakwa-Jorhat-Golaghat trunk pipeline at Begenakhuwa, Golaghat.

AGCL intends to identify potential solution providers who can “Ascertain the quality and vintage of the Compressor package and its allied equipments,”.

The service provider who have enough experience and capability in this field and meet the qualifying criteria as per EOI Prequalification criteria are requested to visit Assam Gas Company’s web site <https://www.assamgas.org> in for “Expression Of Interest” for further details and submit their proposal as per details procedure mentioned on the EOI on or before 23/03/2020 up to 14:30 HRS IST. 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.

## **1. PREAMBLE**

To provide uninterrupted pressurized gas to our consumers mainly situated at Golaghat, Assam Gas Company Ltd (AGCL) a Gas Compression Station was set up on BOO basis at Uriamghat in Golaghat district since 2008. The earlier contract has expired and a new contract was awarded. As per the tender conditions, the party will have to install a brand new compressor package for handling 80,000 SCMD of gas in the present location at Uriamghat.

## **2. OBJECTIVE**

The objective of the Expression of Interest (EOI) is to provide the company (i.e AGCL) the status of the Gas Compressor package and other pipe, valves and pipe fittings etc for its vintage (whether brand New or Not) with relevant information and substantiate its claim for the given status.

## **3. LOCATION OF SITE**

Tentatively Ahmadabad Gujarat.

## **4. SCOPE OF WORK**

### **SCOPE OF WORK FOR THIRD PARTY INSPECTION/QUALITY SURVEILLANCE AT VENDOR PREMISES AT AHMEDABAD, GUJARAT**

#### **4.1.0 SCOPE OF WORK**

Scope of work under this contract shall in board include the following but not limited to,

4.1.1. Inspection/quality surveillance at vendor works for supply of **Brand New Natural Gas compressor package details of the package is provided in the Technical Particulars below** and other items like pipe lines, fittings, flanges, fabricated items (vessels, exchanger/cooler, filters, meter runs etc.) rotating equipment (pumps, compressors etc.) and their spare parts, studs etc.

4.1.2. The inspection is to be carried out as per the ordered specification ensuring original manufacturer's packing, Original manufacturer test certificates etc as per specification and the linkage.

4.1.3. The material should be identified as per the specification like original manufacturer's name, Batch/lot no, Serial no. of engine and compressor, Net weight, material name. The material should be packed as per specification and sealed by the inspection agency. The seal details should be mentioned in the third party inspection report.

4.1.4. Checking of the quality assurance plan of supplier / vendors and making suggestion if necessary and submit that to EIC for approval along with their Quality surveillance plan to cover the entire activities related to vendor inspection. The agency will check and review all the documents related to the compressor package inspection done at original equipment manufacturers works at USA. However

agency can duplicate the job of inspection already carried out by the vendor on the basis of criticality of service and item with a view of witnessing the test but by prior consent of AGCL.

4.1.5. Review & approval of QAP: Supplier in-house procedure /QAP may be accepted in case of Buyer (herein AGCL) is satisfied with adequacy of procedures to comply with Purchase Order/Specification requirements. In case of non-availability of suitable procedure/ QAP, fresh procedures may be qualified by buyer after incorporating the view of TPI agency.

4.1.6. To ensure that contractor / vendor has carried out work in accordance with their quality assurance plan.

4.1.7. Undertaking inspection and witness such test which are required to be ensure that all equipment and materials procured confirm to specification and relevant codes and standard as per approved quality assurance plan (QAP). It is to be ensured that the items witnessed by vendor are Brand New.

4.1.8. The TPI agency is to hard stamp the items inspected for material identification.

4.1.9. Where size of fittings /items doesn't permit single/double marking, random inspected and accepted fittings should be ensured for separately packed and sealing tag duly identified with single/double marking as applicable.

4.1.10. Inspection report, highlighting status of drawings, constraints, suggested corrective measures & non conformity from specification etc. along with all relevant test certificates to be submitted to AGCL in one hardcopy within 15 days & one soft copy within 03 days after completion of job.

4.1.11. In general the scope of work consists of activities, as per the specifications detailed in tender document and to be completed as per instruction of AGCL representative. Any other work not specifically mentioned above but required to complete the work as per specifications; drawings and instruction of AGCL representative shall also be responsibility of the agency.

4.1.12. Issue of final acceptance certificates along with release note as per the approved format. However if there is any physical observation leading to rework which is to be carried out by the manufacturer/vendor, release note should be issued after physical verification of recommended rectifications only.

4.1.13. QAP shall be approved/ reviewed within 7 days from the date receipt of inspection call, along with drawings, technical notes, specification sheets and other necessary & relevant documents as received from vendor/AGCL. A copy of the same should be forwarded to AGCL Inspection.

## **4.2.0 INSPECTION AGENCY'S SCOPE**

4.2.1 The inspection agency shall arrange safety equipment like helmet, safety Dress, safety shoes, hand gloves etc. at their own cost.

4.2.2 The Inspection agency shall in all professional matter acts as a faithful advisor to AGCL and will provide all the expert technical advice and skills which are normally required for the class of services for which it is engaged.

4.2.3 The inspection agency shall prepare and submit reports in due time.

4.2.4 The inspection agency should maintain sufficient number of Inspection engineers. The inspection engineers should be Graduate Engineers in respective field, having experience of minimum three years or Junior engineer having minimum 7 years of experience in the field of Inspection of above said items.

4.2.5 The inspection engineers shall have thorough knowledge of all applicable standards/codes etc.

**5. PRE-QUALIFICATION CRITERIA:**

The Bidder/Solution Provider must fulfill the following minimum prequalifying criteria to participate in the EOI.

a. Experience of successfully carrying out Inspection of Rotating machineries in the oil and gas industry in the past Seven (7) years from the original EOI closing date.

b. To demonstrate their experience and capabilities, the Solution Provider should provide information separately such as job completion certificates, work orders etc.

**6.0 THE TECHNICAL PARTICULARS OF THE ASSETS UNDER STUDY:**

1.0 OPERATING CONDITIONS			
1.1	Inlet Pressure	1.0 Kg/cm2g (Max: 2.0 Kg/cm2g)	
1.2	Outlet Pressure	16 Kg/cm2g (Max: 18.0 Kg/cm2g)	
1.3	Inlet Temperature	15 to 40 Degree C	
1.4	Outlet Temperature	50 Degree C	
1.5	Capacity Required	80,000 SCMD (Min: 40,000 SCMD)	
1.6	Ambient Condition	Tropical Dusty	
1.7	Ambient Temperature	10 to 40 Degree C	
1.8	Name of Compressor / Engine Manufacturer	GE Oil & Gas Compression Systems, LLC	
1.9	Compressor Package Standard	API 11P / ISO 13631	
1.10	Compressor Package Type	Integral Type Compressor Package	
2.0 COMPRESSOR			
2.1	Make / Model:	AJAX / DPC 2802	
2.2	Frame Rating:	422 HP (315 KW) @ 440 rpm	
2.3	Number of Throws / Stroke Length:	2 / 11 inches	
2.4	RPM (@ rated conditions)	440	
2.5	Number of Stages	2	
2.6	Cylinder Lubrication Type	Forced	
2.7	Frame Lubrication Type	Splash	
2.8	Cylinder Bore (Inch) / # of cylinders	18.00 / 1	10.00 / 1
2.9	Single acting / Double Acting	DBL	DBL
2.10	Rod Diameter	2.50 inch	2.50 inch
2.11	Max. Allowable Rod Load	33000	33000
2.12	Max. Allowable Cylinder Pressure (Kg/cm2g)	19.33	63.28
3.0 ENGINE			
3.1	Make / Model	AJAX / DPC 2802	
3.2	Manufacturer Standard Published Rating	422 HP (315 KW) @ 440 rpm	
3.3	Cylinder Arrangement	Inline	
3.4	Number of Cylinders	2	
3.5	Bore / Stroke	15 / 16	
3.6	Compression Ratio	8.0: 1	
3.7	Charging	Naturally Aspirated	
4.0 COOLING SYSTEM			
4.1	Type of Cooler	Air Exchange Cooler	

## **7.0 INSTRUCTIONS TO PARTICIPANTS**

### **7.1. COMPLETENESS OF RESPONSE**

- a. Solution providers are advised to study all instructions, forms, requirements and other information in the EOI documents carefully. Submission of the EOI shall be deemed to have been done after careful study and examination of the EOI document with full understanding of its implications.
- b. The response to this EOI should be full and complete in all respects. Failure to furnish all information required by the EOI documents or submission of a proposal not substantially responsive to this document will be at the Bidder's risk and would result in rejection of its Proposal.

### **7.2. EOI PROPOSAL PREPARATION COSTS & RELATED ISSUES**

- a. EOI should not be treated as a commercial tender document.
- b. The solution provider is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/ discussions/ presentations/ demonstrations/ preparation of proposal, in providing any additional information required by AGCL to facilitate the evaluation process.
- c. This EOI does not commit AGCL to award a contract or to engage in negotiations. Further, no reimbursable cost may be incurred in anticipation of award or for preparing this EOI.

### **7.3. ISSUE OF ADDENDUM**

- a. At any time prior to the last date for receipt of EOI, AGCL may modify the EOI document by issuing an addendum/ corrigendum.
- b. The addendum/ corrigendum (if any) will be posted on the company's website.
- c. Any such addendum/ corrigendum shall be deemed to be incorporated into this EOI.
- d. In order to provide reasonable time for taking the addendum/ corrigendum into account, AGCL may, at its discretion, extend the last date for the receipt of EOI Proposals.

### **7.4. SUBMISSION OF EOI & FORMAT**

#### ***A. Submission:***

- a. Interested parties meeting the pre-qualifying criteria as above are invited to submit their EOI in the below mentioned address within **23.03.2020**, by hard copies of the same through courier/post superscribing "Expression of Interest No.: EOI NO AGCL/O&M/EOI\_BOO/2020/01/02 at the following address:

Chief Manager-O&M  
ASSAM GAS COMPANY LIMITED  
COMPRESSOR DEPARTMENT  
P.O. DULIAJAN-786602  
DIST. DIBRUGARH, ASSAM, INDIA

#### ***B. EOI FORMAT:***

- a. The following undertaking shall be provided by the intending Supplier: -  
*"The information provided in the support of qualification criteria is factually correct and the company*

*meets the pre-qualification criteria".*

- c. Solution providers shall submit all the required documents as mentioned below. It should be ensured that the formats mentioned in this EOI should be adhered to and no changes in the format should be done.
- d. EOI document submitted by the solution provider should be concise and contain only relevant information as required.
- e. AGCL reserves the right to modify and amend any of the above-stipulated condition/ criterion depending upon project priorities vis-à-vis urgent commitments.
- d. The proposal and all correspondence and documents shall be written in English.

## **7.5. EVALUATION PROCESS**

- a. AGCL shall evaluate the responses to the EOI and all supporting documents & credentials of only those solution providers who confirm that they had prior such similar experience. Inability to submit requisite supporting documents or credentials by a bidder, may lead to non consideration of its proposal.
- b. The solution providers shall be called for a presentation/ technical demo. The Venue Shall be Duliajan and exact time-slots shall be communicated before the date of presentation through e-mail. The Solution provider shall submit a copy of the presentation/documents before the presentation date.

## **7.6. SPECIAL NOTES TO PARTICIPANTS**

- a. All documents submitted along with the EOI must be self-certified by the Bidder/Solution Provider and should be clear & legible.
- b. AGCL reserves the right to physically check the original documents/certificates, copies of which are submitted along with the EOI.
- c. The EOI is liable to be ignored in case of submission of any misleading/false representation by the Bidder in the form of statements and attachments.
- d. AGCL reserves the right to ignore any or all EOIs without assigning any reason thereof.
- e. AGCL reserves the right to curtail/enhance the scope of work stated above or cancel, if required, without assigning any reason thereof.
- f. Any attempt by a solution provider to influence the EOI evaluation process may result in the rejection of its EOI Proposal.
- g. AGCL reserves the right to (i) accept or reject any/all EOIs submitted by parties (ii) cancel the process at any time without any liability and assigning any reason thereof to the applicants.
- h. **This EOI is not an invitation for bids. After reviewing the EOI of the responding parties, a pre-tender meeting with the prospective solution providers will be held to discuss and finalise the detail scope and other terms and conditions. Time & Venue for the same shall be intimated separately nearer the time.**

## **8. MANDATORY REQUIREMENTS**

All respondents MUST submit the following which will be the basis for short listing:

1. Name and full address of the Organization.
2. Management Structure.
3. Contact Person with designation.
4. Contact telephone numbers and fax No.
5. Email address.
6. Current operational areas of work.

7. Turnover for last three years.
8. Approval/registration with any Govt./Agency.
9. Details of expertise available in the developing such brown field projects.
10. Regular manpower available on roll for proposed work alongwith their age, qualification and experience (minimum expected qualification is Graduate in Engg./ Post Graduate)
11. Areas of work where expertise available pl. elaborate  
(Mech/Elec/Chem/Civil/Electronics/Metallurgical/Textile/Food etc.)
12. Any other credentials in the subject area.
13. Terms and conditions.
14. Annexure –I filled and duly signed and stamped.
15. Detailed description of proposed proposal.
16. No. of years of experience in the field of health and residual life assessment of machineries.
17. No. of successful completion of such similar jobs