

## **TENDER DOCUMENT FOR INSPECTION AND RADIOGRAPHIC TESTING OF WELDING JOINTS**

Ref. No.: AGCL/TS/RATE-CONT/NDT/12/2019/04

Date: 02/09/2019

Assam Gas Company Limited (AGCL), a Govt. of Assam undertaking, invites e-tenders through the e-procurement portal <https://assamtenders.gov.in/> from competent and reputed Contractors, experienced in API standard works and having technical capabilities, financial soundness and skilled manpower for inspection of welding joints, radiographic testing, detection of defects in 3-LPE /Coal tar coating for API quality cross-country Natural Gas pipeline laying works. The contract will be on **Annual Rate Contract Basis**, initially for a period of one year but may be extended upto 1 more year on year to year basis on the similar rates and no escalation in the rates will be considered at any cost.

### **1. SCOPE OF THE WORK:**

The Scope of work includes:-

- a) Approving of welders through Welders Test as per API standard.
- b) Inspection of welding joints during construction at site.
- c) Radiography testing of 100% welded joints and its interpretation as per API code and technical analysis to ensure proper work as per API specification.
- d) Detection of coating defects (3 LPE / Coal tar coating) as per standard by using Holiday Detector Machine.
- e) Measurement of the wall thickness of M.S pipelines /installations.

The works shall be carried for various maintenance, modification, replacement and construction of new pipelines as and when required on ON/OFF basis.

### **2. PERIOD OF CONTRACT:**

The contract will be valid for a period of one year from the date of placement of order, which can be extended for a further period of one year on the same rate and terms & conditions on mutual consent of both parties. However, AGCL may terminate the contract at any time by giving 15 days advance notice without assigning any reason.

### **3. BID VALIDITY:**

Bid should be valid for **24 (Twenty Four) months** from the date of submission of the tender. In exceptional circumstances, prior to expiry AGCL may request the bidder to extend the validity of the bid to a certain period.

### **4. TENDER FEE:**

Rs. 1,000/- ( Rupees One Thousand only) as tender fees (Non- Refundable Non-transferable) is to be submitted in the form of Demand Draft issued from any of the

nationalized banks of India in favour of Assam Gas Company Limited payable at Duliajan.

## **5. EARNEST MONEY DEPOSIT (EMD):**

5.1 The bid must be accompanied by an EMD of Rs. 10,000/- ( Rupees Ten Thousands only) in the form of Demand Draft/Bank Guarantee drawn in favour of Assam Gas Company Limited payable at Duliajan.

### **5.2 Bid submitted without Tender Fee and EMD will be rejected outright.**

5.3 The EMD of unsuccessful bidders shall be refunded after issue of Work Order to the successful bidder. The EMD of successful bidder shall be released after successful completion of the work.

5.4 The EMD will be forfeited by the bidder in case any bidder withdraws or modifies their bid during the period of bid validity (including any subsequent extension).

5.5 Bidders which are registered as Micro / Small Companies / Industries under MSME act 2006 or registered as N.S.I.C shall be exempted from submission of Tender Fee and EMD/Bid Security. Such bidders must furnish valid document i.e. valid on the date of bid submission date along with bid to avail the exemption.

## **6. AMENDMENT OF BID DOCUMENTS**

6.1 At any time prior to the deadline for submission of bids, the Owner, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bid document by amendment(s).

6.2 Any addendum /corrigendum/ clarifications to bidders' query thus issued shall be part of the bidding documents. Bidders desirous of submitting their bid have to take into consideration all the addendum(s)/corrigendum (s)/ clarifications issued to them.

6.3 The addendum/corrigendum(s), if any, will be made available at the e-procurement portal <https://assamtenders.gov.in/>.

## **7. BID SUBMISSION PROCEDURE**

7.1 Bids are to be submitted online on the e-procurement portal <https://assamtenders.gov.in/> only, in two parts along with scan copies of required documents, Tender Fee and EMD. Only the original hard copies of the Tender Fee and EMD shall be submitted within 7 (Seven) days from the last date of bid submission at the office of the **GM (Technical Services), Assam Gas Company Limited, Duliajan, Dist: Dibrugarh, Assam-786602.**

7.2 Bids shall be submitted in two parts as below:

### **Part- I (Un-Priced / Techno-Commercial Bid):**

- a) Un-priced bid must be complete with all technical details along with all the required documents as mentioned in this tender document.

- b) A duly signed and stamped copy of the entire bid document (including addendums, if any) on all pages including the price schedule WITH PRICE BLANKED OUT as a token of acceptance of the provisions of the bid document.

**Part- II (Priced Bid):**

- a) Duly filled up SOR in the given format.

Note:

- a) The owner intends to obtain the unit rates for various items of works and as such, instead of actual quantities, a single quantity has been mentioned in the SOR to evaluate the Lowest Bidder. The actual quantity of each work will be provided during the issue of Work Order.
- b) The unit rates for radiographic testing should be proportionate to the diameter of the pipelines.
- c) Bidder shall quote for all the items mentioned in the SOR. Otherwise the bid may be considered nonresponsive and may subsequently be rejected.

7.3 Bid received in hard copy or E-mail/ Fax/ Telegram/ Telex/ Cable etc will not be accepted. **All corrections and alterations, if any, in the entries of tender paper shall be signed in full and stamped by the tenderer with date. No erasers or overwriting are acceptable.**

7.4 The company shall not be held responsible for non receipt of the Original copy of BG/ DD against EMD/Tender Fee or postal delays/ transit loss, etc. Any offer received after the appointed time on the bid closing date shall be summarily rejected.

7.5 AGCL will first open the “Technical Bid” and if found in compliance then “Price Bid” will be opened. The company reserves the right to accept or reject any or all bids or accept any bid in part without assigning any reason whatsoever.

7.6 No request for extension of Bid closing date & time will be entertained. However, AGCL at its discretion may extend the Bid closing date and /or time due to any reasons. In case bid closing date is extended, same will be notified through Corrigendum in e-tendering procurement system.

**8. DETAILS OF BID DOCUMENT**

Tender No.	AGCL/TS/RATE-CONT/NDT/12/2019/04, Dated 02/09/2019
Type of Tender	Single Stage-2(two) Bid System

Issue and Submission of Bid	Online and through the e-procurement portal, <a href="https://assamtenders.gov.in/">https://assamtenders.gov.in/</a>
Pre Bid Meeting Date, Time and Venue	16/09/2019 at 9.00 AM AGCL Conference Room, Duliajan-786602. However, attending the pre-bid meeting is not mandatory.
Bid Submission Date	Up to 2.00 PM on 25/09/2019
Technical Bid Opening Date	At 2.30 PM on 25/09/2019
Priced Bid Opening Date	Will be intimated to the eligible bidders nearer the time.
Bid Validity	24 (Twenty Four) Months from the date of submission.
Tender Fee (non- refundable and non-transferable)	Demand Draft of Rs. 1,000.00 (One Thousand only)
Earnest Money Deposit (EMD)	Demand Draft / Bank Guarantee of Rs. 10,000.00 (Ten Thousand only)
Contact Persons	1. S. Tamuli, General Manager (TS) Email: <a href="mailto:stamuli_2000@yahoo.com">stamuli_2000@yahoo.com</a> Mobile No: 9435038142 2. P. J. Dutta, Chief Manager (M) Email: <a href="mailto:duttapj@hotmail.com">duttapj@hotmail.com</a> Mobile No.: 9435039847

**Note:** *If any of the days specified above happens to be a holiday /Bandh call day /Declared Holiday by District Administration, then the next working day will be considered.*

## 9. BIDDER'S QUALIFICATION CRITERIA (BQC)

### Technical

- a) The Bidders shall have past experience of executing at least 1 number of similar kinds of job for natural gas /crude oil pipelines in PSU / Govt. companies during last seven years reckoned from the last date of submission of tender.
- b) Similar job means NDT and radiography inspection of welded joints and its interpretation as per API-1104 standard and technical analysis to ensure proper work as per API specification. Detection of coating defects (3 LPE / Coal tar coating) by using Holiday Detector Machine. The size of such M.S. pipeline shall be not less than 200 mm N.B.
- c) Copies of work order / completion certificate etc. in support of the eligibility criteria shall be submitted.
- d) The value of such work order should not be less than
  - i) Single contract of minimum value Rs. 10.0 Lakh

OR

ii) Two contracts of minimum value Rs. 6.0 Lakh each

OR

iii) Three contracts of minimum value Rs. 5.0 Lakh each

e) Bidder must possess the following equipments at his disposal

i) Minimum two numbers of Radiography Camera (intensity 10 to 20 curie each)

ii) One Holiday Detector Machine

iii) One Ultrasonic Thickness Measurement Gauge.

f) Bidder must have the following manpower

i) Minimum one numbers of Certified Radiographer from Bhaba Atomic Research Centre and his name should be in-cooperated in the bidders firm.

ii) Minimum one number of certified welding inspector.

g) The following documents are to be submitted with the Tender form:

i) Certificate from Bhaba Atomic Research Centre or Atomic Energy Regulatory Board authorizing the firm and Radiographer(s) to do radiography. The certificate shall be valid for the year 2019-20 and up-to-date.

ii) Necessary permission from the competent authorities for carrying the radiography source in the project site.

### **Financial**

a) The Bidder should be a company registered in India under the Companies Act 1956/2013.

b) Net Worth of the Bidder should be positive for last three financial years i.e. FY 2016-17, FY 2017-18, FY 2018-19 as per Audited Accounts.

### **Other Requirement**

a) Bidder shall not have been put on holiday list/ black-listed by AGCL. Bidder shall submit self declaration certificate in this regard as per FORM F-1 enclosed in the tender document.

b) Bidder shall not be under liquidation, court receivership or similar proceedings. Bidder shall submit self declaration certificate in this regard as per FORM F-1 enclosed in the tender document.

## **10. PAYMENT TERMS:**

The COMPANY will make payment to the CONTRACTOR as provided hereunder:-

a) No mobilization advance will be paid.

- b) R/A Bill can be submitted after a minimum interval of a fortnight only along with up to date Progress Report duly signed by the Engineer-in-Charge of the Company and the representative of the Contractor.
- c) Maximum payment of the R/A Bill will be limited to 90% (ninety percent) of actual work accepted less GST as applicable at the time of execution. In addition Security Deposit @ 10% (ten percent) will be deducted from each R/A Bill and the Final Bill. The total Security Deposit will be released after expiry of the guarantee period of 1(one) year after the date of successful commissioning of the pipeline by the Company.
- d) Final Bill will be considered only after completion of the total allotted work.
- e) GST shall be paid extra as applicable and will be paid against submission of proper Tax invoice.

**11. LIQUIDITY DAMAGE:**

Without prejudice to the other rights of the Company, the Contractor shall be liable to pay a compensation amounting to 10% (ten percent) of the awarded value of the work, for non-completion of any work as per specification on the scheduled date of completion which will not exceed 30 (thirty) days after the scheduled date of completion.

Penalty shall increase by an additional 0.5% (point five percent) of total awarded value for non completion of any work as per the specification for each subsequent month beyond the above mentioned 30 (thirty) days period.

**12. BID PRICES**

The price quoted by the Bidders shall be inclusive of all taxes, duties, royalties, rights for usage / obligation of proprietary tools etc, except GST.

Priced bid will only be opened only of those bidders who qualify in the Techno-Commercial Bid.

Prices quoted by the Bidder shall be firm and fixed during the Bidder's performance of the contract. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

All travel related expenses required for performance of the job shall be borne by the Bidder.

**13. EVALUATION OF BID**

- a) While evaluating the bids, pursuant to Bid Evaluation Criteria as specified, Bidder's past performance shall also be assessed for ascertaining the responsiveness of the bid. In such a case, the decision of AGCL shall be final and binding on the bidder.

- b) The Bidder must not be put on holiday list by any Government Department/Public Sector Units/AGCL.
- c) Relevant portions in the documents submitted in pursuance of eligibility criterion mentioned above, shall be highlighted. If the bid is not accompanied by all the required documents, the same would be rejected.
- d) Undertaking for subsequent submission of any of the above document will not be entertained under any circumstances. However, AGCL reserves the right to seek fresh set of documents or seek clarifications on the already submitted documents.
- e) Bidders shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients or that may place them in a position of not being able to carry out the assignments objectively and impartially.
- f) AGCL reserves the right to reject any or all the bids received at its discretion without assigning any reason whatsoever
- g) No back up consultant to the bidder shall be entertained.
- h) Bidders to quote for complete scope of work as per bid document.
- i) Bid document is non-transferable and the bidder should submit the bid in his / her own name.

**14. AWARD OF WORK**

Bidders shall quote for all the items as per bid document. Contract shall be awarded to the bidder whose technical bid is determined to be substantially responsive and whose priced bid is determined to be the total lowest quoted price considering single unit for all the items.

However AGCL reserves the right to award the complete scope of works to one bidder or split the works between two or more bidders at the lowest quoted rate.

**15. GENERAL:**

- a) Bids received through Fax / E-mail, shall not be considered / accepted.
- b) AGCL will not be responsible for cost incurred in preparation, delivery and postal delay of bids.
- c) No interest on the EARNEST MONEY or SECURITY DEPOSIT or any other amount is payable to the CONTRACTOR under this Contract.
- d) The order shall be governed and interpreted in accordance with the applicable laws of India and Courts at Dibrugarh shall have exclusive Jurisdiction.

Sd/-  
General Manager (TS)  
For Managing Director

## **SPECIFICATION SCHEDULE**

### **1. SCOPE OF THE WORK:**

The scope of the tender includes the followings:-

- a) Approving of welders through Welders Test as per API – 1104 standard.
- b) Inspection of welding joints during construction at site.
- c) Radiography testing of 100% welded joints and its interpretation as per API code and technical analysis to ensure proper work as per API specification.
- d) Detection of coating defects (3 LPE / Coal tar coating) as per standard by using Holiday Detector Machine.
- e) Measurement of the wall thickness of the pipeline.

### **2. WELD INSPECTION, RADIOGRAPHY AND “HOLIDAY” DETECTION:**

- a. All welding shall conform to Code API 1104. Ovality up to 3.15 mm is to be distributed equally on the circumference of the pipe.
- b. Before welding, all rust and foreign materials shall be removed from the ends of pipes and welds shall be made by the specified electrodes only approved in writing by the **COMPANY**.
- c. The scope of Welding inspector’s work includes inspection of all welded joints visually during execution and radiography of welded joints. The testing of welded joints must be carried out as per API 1104 and ASME B31.8 specifications and provided necessary guidance for rectification, if found defective.
- d. The Contractor will depute sufficient number of Welding Inspectors to look after each section independently. In case the Company decides to divide the work to more than one section, the Contractor will have to depute one Welding Inspector for each section or as decided by the Company.
- e. Radiography shall be carried out 100% (Hundred Percent) of the welding joints in general and for any change of it the decision of the **COMPANY** will be final.
- f. Radiography Films shall be inspected by the **CONTRACTOR** and **COMPANY**. The Company retains the right to direct re-testing of any welded joints radiographically if any defect is noticed. Films shall remain the property of the **COMPANY**.
- g. The Company will have the right to release the inspectors and X – ray units /Holiday Detection machines considering the work load and the reduced rate will be applicable for the remaining period.
- h. The contractor will have to arrange radiography film development facility near the site of pipeline laying work so that progress of work will not be hampered due to non-development of film the same day.
- i. The contractor has to do the radiography of welded joints at regular interval or as directed by the Company’s representatives so that progress of work is not hampered and the report(s) with film(s) must be submitted to the Company the following day in the morning.



- j. The Contractor shall engage Holiday Detection Machine along with separate operators and they will mark the defects for repairing. The job has to be carried out as directed by the Company and without hampering the progress of the job.

**3. SUPERVISION:**

The work will be supervised by the **COMPANY**'s representative who will keep proper record of progress. Daily Progress Report (**DPR**) in the approved format of the **COMPANY** must be submitted to the **COMPANY**'s representative by the **CONTRACTOR** with signature, otherwise no bill will be entertained.

**4. EQUIPMENT, MACHINERY AND MANPOWER TO BE USED FOR THE WORK:**

The list of the manpower, equipment and machineries to be deployed with reasonable daily wages/rates must be furnished along with the tender. The tenderer will have to submit the documentary evidence regarding the capacity and intensity of the Isotope(s).

The Management of the Company reserves the right to inspect the tools, equipment and machineries of the Contractor prior to placement of formal Work Order.

All the equipment and the machineries to be engaged for the work must be approved and certified by the Company before execution of the work. Any machinery or equipment if found defective must be removed/repared as per the Company's directive and in this respect Company's decision will be final.

**5. DEVIATION FROM SPECIFICATION:**

The **CONTRACTOR** may submit his own design and specification, which is different from the **COMPANY**'s specification for better workmanship, safety, reliability and life of the system. This deviation shall be subject to approval of the **COMPANY** in writing and the **CONTRACTOR** shall not be entitled to any kind of remuneration for such suggestions.

**6. OTHER TERMS AND CONDITIONS:**

- a) The Earnest Money deposited by the Contractor with his tender will be retained by the Company as part of the Security Deposit for due fulfillment of the contract. The Earnest Money will be released after commissioning of the pipeline by the Company.
- b) No interest will be payable on the Earnest Money, Security Deposit or any other amount payable to the Contractor under this contract.
- c) Normally all works are to be completed within the daytime only. In case of emergent work prior permission in writing is to be obtained from the **COMPANY** to continue work after the darkness.
- d) The **CONTRACTOR** shall not be entitled to any compensation for any delay in supply of materials for execution of the work or any delay in execution of work under Force Majeure conditions or other natural calamities beyond the **COMPANY**'s control.
- e) The tenderers will have to put the signature and seal of the firm at the bottom of each page of the tender document.

## SCHEDULE OF RATES

Tender No.: AGCL/TS/RATE-CONT/NDT/12/2019/04, Dated: 02/09/2019

Sl. No.	Particulars	Qty.	Unit	Rate / Unit (inclusive of all taxes but exclusive of GST)	
				Rs.	Rupees in words
1	Radiographic Testing of welding joints of M.S. pipeline as per specifications and API 1104:				
	a) 800 mm NB	1	Joint		
	b) 550 mm NB	1	Joint		
	c) 500 mm NB	1	Joint		
	d) 400 mm NB	1	Joint		
	e) 350 mm NB	1	Joint		
	f) 300 mm NB	1	Joint		
	g) 250 mm NB	1	Joint		
	h) 200 mm NB	1	Joint		
	i) 150 mm NB	1	Joint		
	j) 100 mm NB	1	Joint		
	k) 75 mm NB	1	Joint		
	l) 50 mm NB	1	Joint		
2	Retention Charges for Welding Inspectors:				
	a) One Welding Inspector per Day	1	Day		
	b) Two Welding Inspectors per Day	1	Day		
	c) Three Welding Inspectors per Day	1	Day		
3	Holiday Detection of Coating (3LPE/Coal tar Coating):				

	a) One Unit / Day	1	Day		
4	Measurement of the wall thickness of the pipeline	1	Day		

Sign and Seal of the Bidder

F-1: DECLARATION

[On Bidder's letter head]

To,  
Shri S. Tamuli, General Manager (TS),  
Assam Gas Company Limited,  
Duliajan, Assam – 786602

Ref.:- Tender No. AGCL/TS/RATE-CONT/NDT/12/2019/04, Dated 02/09/2019

Dear Sir,

We, (Bidder's name) Confirm that we are not under any liquidation, court receivership or any other similar proceedings.

We confirm that we have not been put on holiday list/ black-listed by AGCL.

Authorised Signatory with seal.

Date:

Place: