



Bhagyanagar Gas Ltd.

BHAGYANAGAR GAS LIMITED

(A JOINT VENTURE OF HPCL & GAIL)

BID DOCUMENT FOR

Tender for Engaging Third Party Inspection Agency (TPIA) for Certification of Integrity Management Plan for three Geographical Areas of Hyderabad, Vijayawada & Kakinada in line with PNGRB Gazette Notification No. INFRA/IMP/CGD/1/2013) dated 16th May 2013

UNDER LIMITED DOMESTIC COMPETITIVE BIDDING

Bid Document No.: BGL/272/2014-15

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SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT

SCOPE OF WORK

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1.0 Introduction

We are in the business of natural gas distribution through pipeline to different types of consumers like domestic, commercial, industrial and automobile. At present we are operating and maintaining gas pipeline network in Hyderabad, Vijayawada & Kakinada Geographical Areas.

2.0 Objective

The objective of Integrity Management System (IMS) is to ensure the integrity of City Gas Distribution network at all times to ensure public protection of environment, maximum availability of CGD networks and also minimizing business risks associated with operations of gas network.

3.0 Methodology

Petroleum and Natural Gas Regulatory Board (PNGRB) has notified regulation for “Integrity Management System (IMS) for City or Local Natural Gas Distribution Networks, 2013” on 16th May, 2013. Accordingly we have to comply to the following activities in a time bound manner.

- Conformity of IMS document with regulation.
- Submission of IMS document to PNGRB with timelines for the actions.
- Approval of IMS plan by PNGRB for implementation.
- Submission of compliance statement to PNGRB.

Note –Please refer to schedule 8 as given in PNGRB regulation.

4.0 Asset Details

Our total asset covering all three cities details are as follows.

- Underground High pressure steel network : About **100** Kms
- Underground Polyethylene network : About **290** Km
- Number of District Regulating Stations (DRS) : **06** nos.
- Number of Metering & Regulating skid (MRS) : **03** nos.
- Number of CNG stations(including Mother Station) : **30** nos.
- Number of City Gate Stations (CGS) : **03** nos.

5.0 Scope of work

To carry out confirmation of Integrity Management System (IMS) document related to CGD network in Bhagyanagar Gas Limited under relevant IMS regulation issued by PNGRB. Scope of work shall include following.

- Review of IMS document
- On site verification (site audits) on sample basis
- Submission of draft audit report
- Close out of audit findings and amendment in IMS document if required

6.0 Deliverables

Submission of audit report based on above and certification of IMS document within two months from issue of work order.

7.0 Third Party Inspection Agency (TPIA)

Third Party Inspection Agency (TPIA) shall be approved by PNGRB for carrying out confirmation of Integrity Management System (IMS) document related to CGD network under relevant IMS regulation issued by PNGRB.

8.0 Facilities / documents to be provided by BGL

- Providing access to TPIA personnel for the site audits
- Providing required documents / records
- A coordinator during the audit
- Escorts to the audit team as appropriate
- Transport facility during site audit (between offices at Hyderabad, Vijayawada & Kakinada to site locations)

9.0 Fees and Expenses

Agency shall quote their charges on lump sum basis. Charges shall include man-day charges, travel, lodging, boarding and incidental expenses.

10.0 SPECIAL CONDITIONS OF CONTRACT (SCC)

10.1 BRIEF SCOPE OF WORK:

The scope of work in brief is herewith given below, includes supply of all materials, tools, tackles, labor, equipment required to perform the works, including testing, supervision, taxes etc; but is not limited to the following:

- a) Review, Gap Analysis and Certification of BGL CGD network at Hyderabad.
- b) Review, Gap Analysis and Certification of BGL CGD network at Vijayawada.
- c) Review, Gap Analysis and Certification of BGL CGD network at Kakinada.

Brief site information for Hyderabad, Vijayawada & Kakinada for network already is given in Sr. No. 10.2 under head- Site Information.

Sufficient manpower to be deployed at each Geographical Area and all work of Review , Gap Analysis & Certification will be completed in maximum 2 Months duration time.

The BIDDER price will be inclusive of travel, lodging & boarding charges including site visit and conveyance charges and no extra payment will be permissible for the same.

10.2 SITE INFORMATION

It will be required to prepare the report separately for Hyderabad, Vijayawada and Kakinada.

10.2.1. Steel pipe line:

- a) Hyderabad- 16 INCH steel pipe line x 8.4 mm thk., API 5L Grade X 65- of having pipe line laid for 30.86 Km length besides laying of 4 INCH x 6.4 mm, X 52 of length 2.8 KM of MAOP (Design pressure 49 Kg/cm² but actual operating pressure is about 38 Kg/cm² as of now).
- b) Vijayawada - 12 INCH steel pipe line x 6.4 mm thk, API 5L Grade x 52 of having pipe line length of 25.66 Km besides laying of 4 INCH X 6.4 mm , X 52 of length of about 4 Km of MAOP (Design pressure of 49 Kg/cm² but actual operating pressure is about -22 to 25- Kg/cm² as of now)
- c) Kakinada- 10 INCH steel pipe line x 6.4 mm thk, API 5L Grade x 42 of having pipe line length of 25.05 Km besides laying of 4 INCH X 6.4 mm , X 52 of length of about 7.06 Km of MAOP (Design pressure of 49 Kg/cm² but actual operating pressure is about 21 Kg/cm² as of now)

10.2.2. Length of MDPE:

- a) Hyderabad - 116 KM - MDPE pipe is of 100 grade- all pipes up-to 63 mm dia. are SDR 11 and 90 to 180 mm dia. are SDR 17
- b) Vijayawada - 20 KM - MDPE pipe is of 100 grade- all pipes up-to 63 mm dia. are SDR 11 and 90 to 125 mm dia. are SDR 17
- c) Kakinada - 118 KM- MDPE pipe is of 100 grade- all pipes up-to 63 mm dia. are SDR 11 and 90 to 125 mm dia. are SDR 17

10.2.3. CGS Cum Mother CNG Station:

- a) Hyderabad -01 No. at Shamirpet
- b) Vijayawada -01 No. at Vidhyadharpuram
- c) Kakinada -01 No. at Vakalpudi

10.2.4. On Line CNG Station:

- a) Hyderabad -02 Nos. (01 Mother Station and other APSRTC- Medchal) but total 18 CNG station including 3 APSRTC bus depots. (16 are Daughter Booster Stations).
- b) Vijayawada -03 No's (01 Mother Station, one Online at IOCL Ajit Singh Nagar and other APSRTC- Vidhyadharpuram) but total 08 CNG stations including 05 DBS.
- c) Kakinada - 02 Nos. (01 Mother Station and other at IOCL-Sarpavaram) and one DBS (Total 03 CNG station) - Another DBS AT RAJAMUNDHARY.

10.2.5. No. of Industrial connections-

03 Nos. at Hyderabad, Nil at Vijayawada and Nil at Kakinada

10.2.6. No. of Domestic Connections –

550 conversion (3500 registrations) at Hyderabad , 186 Connections at Vijayawada and 1560 conversion at Kakinada (Registration 1979 Nos.)

10.2.7. No. of Commercial Connections –

04 Nos. at Hyderabad , 02 Nos. at Vijayawada and 29 Nos. at Kakinada.

10.2.8. HAZOP , Quantitative Risk Analysis (QRA) done by whom and when :

Hyderabad , Vijayawada and Kakinada - Both HAZOP & QRA done in year 2010 BY DNV , Hyderabad

10.2.9. T4S -Audit , ERDMP CERTIFICATION done by whom and when :

- a) ERDMP certification done for each city by DNV in 2010 and again for hyderabad in 2012 by TQ-Services
- b) T 4 S Audit- For Hyderabad , Vijayawada and Kakinada in 2011 and for Hyderabad by TUV in 2013 (For steel pipe line SV 3 Onward)
- C) ISO certification- Not done

The persons deployed should have sound technical knowledge required for the Audit of Integrity Management Plan in line with PNGRB 16th May 2013 Gazette Notification and also keeping ASME B 31.8S requirement but the focus of the Work on doing the Quantitative Risk Analysis for all three Geographical Areas Namely Hyderabad, Vijayawada & Kakinada.

10.3 It is understood that before quoting the rates, the Agency has visited the work site and has acquainted himself fully and with the nature and quantum of the job to be carried out by him. Ignorance of this will not be considered **for any revision of price** after award of work. The Agency will be responsible to complete the entire job in all respects and any of the work necessary to complete the job though specifically not covered in the scope of the work.

10.4 For any clarification and on the assessment of the subject job the bidder if desired may visit site during working hours on any working days before submitting the tenders.

10.5 BGL executive shall accompany with the inspector.

10.6 WORK SPECIFICATION

All the specifications for the work shall be as per Scope of Work & Schedule of Rates which are self-explanatory. However, whenever required

modifications/alternations will be done as per the site/operation requirement and the decisions of the Engineer-in-charge shall be final and binding on the contract.

10.7 CONTRACT VALUE

The value of work under this contract shall be as per quantities mentioned in the SOR. Actual work may vary to any extent plus or minus to the attached quantities. The tentative value of work will be as mentioned in the SOR.

10.8 THE WORK HAS TO START AND COMPLETED AS PER GIVEN BELOW DETAILS:

- ☞ Agency is to report within 07 days from the date of issue of LOI.
- ☞ BGL is to be informed 02 working days well in advance for **kick-off meeting**.
- ☞ **Draft Copy:** Within 2 months of award of LOI.
- ☞ **FINAL AUDIT REPORT:** Within 07 days after review of draft report / getting clearance from BGL. Certification OF IMS plan to be carried out within 15 days and final certification to be completed within one week thereafter.

The Total contract period shall be 90 days from the LOI issue date. Efforts to be made by agency to complete the work at the earliest.

10.9 DOCUMENTS TO SUBMITTED BY THE AGENCY:

10.9.1 Final recommendation in hard copy (01 original + 02 copies)

10.9.2 Soft copy separately for each location in word format compatible with latest version –Microsoft version 2010

10.10 DEFECT LIABILITY PERIOD: VOID

10.11 PERFORMANCE SECURITY: VOID

10.12 PRICE REDUCTION SCHEDULE

The Price Reduction Schedule to be made applicable against the work order with specific completion period.

In case the TPIA fails to complete the WORK within the stipulated period, then, unless such failure is due to Force Majeure as defined in BGL GCC; or due to BGL's defaults, the Contract price shall be reduced by $\frac{1}{2}$ % of the amount per complete week of delay or part thereof subject to a maximum of 5 % of the contract amount, by way of reduction in price for delay and not as penalty. The said amount will be recovered from amount due to the TPIA.

The decision of the ENGINEER-IN-CHARGE in regard to applicability of Price Reduction Schedule shall be final and binding on the TPIA.

10.13 VALIDITY OF QUOTED RATES

The rates quoted and accepted shall remain valid for the entire period of contract and no escalation whatsoever shall be permissible after award of the contract.

10.14 TAXES AND DUTIES:

The quoted rates shall include all taxes, duties, service tax, employer's share of PF, insurance charges and other charges as applicable. BGL shall not entertain any such claim whatsoever on this account.

10.15 MEASUREMENT, BILLING AND PAYMENT TERMS

10.15.1 Only two bills / invoices shall be entertained, 01 bill / invoice after completion of technical audit and submitting draft report of Technical Audit of BGL's Steel Pipe Line Projects along with CNG installations and MDPE laid networks at Hyderabad, Vijayawada & Kakinada and other bill / invoice after completion of audit and submission of final documents.

10.15.2 The agency will submit bill in quadruplicate in approved Performa to the Engineer-in-charge giving abstract and detailed measurement of services executed.

10.15.3 Payment would be released by the finance department at BGL Hyderabad within 15 days from the date of submission of acceptable & duly signed (by EIC) bills.

10.15.4 All taxes duties, levies shall be deducted from the bill as per the applicable rules, regulations and amendments of the government.

10.16 QUALIFICATION & EXPERIENCE OF THE CONTRACT PERSONNEL

10.16.1 Considering the very specialized nature of the job, it is felt that the agency shall deploy the persons having relevant qualification, experience and expertise as normally required under the norms followed and also meet the statutory requirements.

10.16.2 If at any point of time BGL feels that the persons deputed are not competent for the job, the same will have to be replaced by suitable persons by Agency with immediate effect. Decision of EIC will be binding on the Agency in this case.

10.17 BOARDING –LODGING AND TRANSPORTATION CHARGES

The Agency shall arrange at his own cost the boarding, lodging, and transportation for his staff at all the location.

10.18 ENGINEER-IN-CHARGE

10.18.1 Engineer-in-charge will be authorized to stop the work of the Agency, whenever such stoppage may be necessary to ensure proper execution of the contract. He

shall also have authority to reject work, which do not confirm to BGL's requirement.

10.18.2 The Engineer-in-charge reserves the right to suspend the work as part thereof of the Agency at any time and no claim whatsoever on to his account shall be entertained. In case of any dispute, the Agency may appeal to the EIC whose decision is final and binding.

10.18.3 Competency of manpower supplied, if found not satisfactory or inadequate, the Agency will change the personnel immediately and the decision of EIC will be final and binding.

10.19 REJECTION OF TENDER

10.19.1 BGL reserves the right to accept or reject any or all tenders and to waive irregularities and formalities at its own discretion.

10.19.2 Any attempt for canvassing shall debar the tender resulting in summarily rejection of the tender.

10.20 LEGAL & STATUTORY RESPONSIBILITY OF THE AGENCY

It shall be the sole responsibility of the agency to comply all the rules and regulation of the labor laws and local statutory rules and regulations of Andhra Pradesh & Telangana.

SECTION – 8

SCHEDULE OF RATES

SCHEDULE OF RATE (SOR) FOR HYDERABAD, VIJAYAWADA & KAKINADA

Sl. No.	Description	UOM	Qty.	Unit Rate inclusive of all taxes and duties except service tax Rs
1	Review, Gap Analysis and Certification of Integrity Management Plan for BGL, Hyderabad CGD network as defined in Scope of Work. Rates are inclusive of any site visits required from TPI HO or Regional Office to BGL CGD network at Hyderabad, local site visits, local conveyance etc and no extra charges will be paid if the presence of technical staff is essential to complete the work beyond completion period.	LS	1	
2	Review, Gap Analysis and Certification of Integrity Management Plan for BGL, Vijayawada CGD network as defined in Scope of Work. Rates are inclusive of any site visits required from TPI HO or Regional Office to BGL CGD network at Vijayawada, local site visits, local conveyance etc and no extra charges will be paid if the presence of technical staff is essential to complete the work beyond completion period.	LS	1	
3	Review, Gap Analysis and Certification of Integrity Management Plan for BGL, Kakinada CGD network and the scope of work as defined in Scope of Work. Rates are inclusive of any site visits required from TPI HO or Regional Office to BGL CGD network at Kakinada, local site visits, local conveyance etc and no extra charges will be paid if the presence of technical staff is essential to complete the work beyond completion period.	LS	1	
		Total Amount (Rs)		
		Service Tax @ 12.36%		
		Grand Total for all three cities inclusive of all taxes & Duties (Rs)		

Note: Tender will be evaluated on overall L-1 basis.