



**BHAGYANAGAR GAS LIMITED
(A JOINT VENTURE OF HPCL & GAIL)**

BID DOCUMENT FOR

Tender for Last Mile Connectivity works in Hyderabad GA (North & South GA)

**UNDER OPEN DOMESTIC
COMPETITIVE BIDDING**

e- tender

Bid Document No.: BGL/747/2026-27

VOLUME-II of II

SECTION 7 SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT

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1.0 GENERAL

- 1.1 Special conditions of contract (SCC) shall be read in conjunction with the General Conditions of Contract (GCC). Schedule of rates, specifications of work, drawings and any other document forming part of this contract wherever the context so requires.
- 1.2 Notwithstanding the sub-division of the document into these separate sections and volumes, every part of each with and into the contract so far as it may be practicable to do so.
- 1.3 Where any portion of the GCC is repugnant to or at variance with any provisions of the special conditions of contract, then unless a different intention appears, the provision(s) of the special conditions of contract shall be deemed to override the provision(s) of GCC only to the extent that such repugnancies of variations in the special conditions of contract are not possible of being reconciled with the provisions of GCC.
- 1.4 Wherever it is stated in this Bidding Document that such and such a supply is to be effected or such and such a work is to be carried out, it shall be understood that the same shall be effected/carried out by the contractor at his own cost, unless a different intention is specifically and expressly stated herein or otherwise explicit from the context. Contract value (also referred to as Contract price) shall be deemed to have included such cost.
- 1.5 The materials, design and workmanship shall satisfy the applicable relevant Indian Standards, the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied. In the absence of any Standard/ Specifications/codes of practice for detailed specifications covering any part of the work covered in this Bidding on the contractor.
- 1.6 In partial modification to Clause No.21.0 of GCC the following shall apply:

In case of contradiction between Indian or other applicable Standards, General Conditions of Contract, Special Conditions of Contract, Specifications, drawings, Schedule of Rates, the following shall prevail in order of precedence:

- i) Letter of acceptance along with statement of Agreed variations.
- ii) Fax / Letter of Intent / Fax of Acceptance
- iii) Schedule of Rates as enclosures to letter of acceptance
- iv) Job / Particular Specifications
- v) Drawings
- vi) Technical / Material Specifications
- vii) Special Conditions of Contract.
- viii) General Conditions of Contract
- ix) Indian Standards
- x) Other Applicable Standards

It will be contractor's responsibility to bring to the notice of Engineer-in-charge any irreconcilable conflict in the contract documents before starting the work(s) of making the supply with reference which the conflict exists.

In the absence of any specifications covering any material, design of work(s) in the same shall be performed / supplies / executed in accordance with Standards Engineering Practice as per the instructions / directions of the Engineer-in-charge, which will be binding on the Contractor.

1.7 The requirements of any statutory body and authority like Indian boiler regulation, Tariff Advisory Committee, Chief controller of Explosives, etc, shall govern where these are more stringent than the requirements specified above.

1.8 Owner's representative means authorized representative of Owner (i.e. M/s BGL) and / or Consultant.

2.0 THE WORK

2.1 Scope of work

The scope of work covered in this Contract will be as described in **Annexure-1** to SCC and Particular job specifications, Standard Specifications, Schedule of Rates etc.

2.2 Scope of Supply

The scope of supply covered in this Contract will be as described in **Annexure-2** to SCC, Particular Job Specifications, Standard Specifications, Schedule of Rates etc.

2.3 Time schedule

2.3.1 The work shall be executed strictly as per time schedule given in **Annexure-3** to SCC. The period of completion given includes the time required for mobilization as well as testing, rectifications, if any, retesting, demobilization and completion in all respects to the satisfaction of the Engineer-in-Charge.

2.3.2 A joint program of execution of work will be prepared by the Engineer-in-Charge and Contractor. This program will take into account the time of completion mentioned in 2.3.1 above.

2.3.3 The contractor shall scrupulously adhere to the Targets/Programs by deploying adequate personnel, Construction Equipment, Tools and Tackles and also by timely supply of required materials coming within his scope of supply as per Contract. In all matters concerning the extent of target set out in the weekly/monthly program and the degree of achievement, the decision of the Engineer-in-Charge will be final and binding on the Contractor.

2.3.4 Contractor shall give every day category-wise labour and equipment deployment report along with the progress of work done on previous day in the proforma prescribed by the Engineer-in-Charge.

2.4 Measurement of Works

In addition to the provisions of Clause 88.1 of the General Conditions of Contract and associated provisions thereof, the provisions of **Annexure – 4** to SCC shall apply.

2.5 Terms of Payment

Terms of Payment will be as specified in **Annexure – 5** to SCC.

2.6 Temporary Works

All temporary works, ancillary works, enabling works, including dewatering of surface and subsoil water, temporary drains at the work site, preparing approaches to working areas, wherever required, for execution

of the work, shall be the responsibility of Contractor.

2.7 Temporary Fencing

The Contractor shall, at his own costs and expenses, erect and maintain in good condition temporary fences and gates along the boundaries of the site assigned to him wherever required as per instruction of Engineer-in-charge. Wherever trenching is being done specially at crossing site near habitation and public movement. The contractor shall fence with bamboo or other materials of sufficient strength for all excavations and shall light the same at night. The Contractor shall, except when authorized by the Engineer-in-Charge, confine his men, materials and plant etc. within the site of which he is given possession. The Contractor shall not use any part of the site for purpose not connected with the works unless prior written permission or consent of the Owner/Engineer-in-Charge has been obtained. Access to site shall be made only through the approved gateways. The Contractor shall maintain sufficient watchmen at site to the satisfaction of the Owner/Engineer-in-Charge.

2.8 Contractor's Temporary Structure

The Contractor may, at his own costs and expenses and subject to the approval of the Engineer-in-Charge and statutory authorities, construct offices, stores, workshop and remove the same as per the orders of the Engineer-in-Charge on completion of the contract. Whenever required the Contractor shall furnish such details of his temporary works as may be called for by the Owner/Engineer-in-Charge as to their safety and efficiency. The Owner/Engineer-in-Charge may direct those temporary works which he considers unsafe or, inefficient be removed and replaced in a satisfactory manner. The Contractor shall immediately follow Owner/Engineer-in-Charge's direction/instruction, on maintenance of all the equipments and he shall ensure that they are suitable for the work and is maintained in such a manner as to ensure their efficient working. The Owner/Engineer-in-Charge, may if they deem fit, direct the Contractor to remove from site any equipment which are not efficient and/or prejudicial to the quality of work to be replaced by equipment to their satisfaction. The Contractor shall immediately follow Owner/Engineer-in-Charge's direction/instruction.

2.9 Statutory Approvals

- 2.9.1 All associated activities required for obtaining necessary clearances, permissions, approvals, all licenses from all concerned authorities in respect of pipeline crossing & all related works shall be the responsibility of the Contractor and the cost of the same shall be deemed to have been included in the quoted prices.

The approval from any authority required as per statutory rules and regulations of Central/State Government shall be the Contractor's responsibility unless otherwise specified in the Bidding Document. The application on behalf of the Owner for submission to relevant authorities along with copies of required certificate complete in all respects shall be prepared and submitted by the Contractor well ahead of time so that the actual construction of the work is not delayed for want of the approval/inspection by concerned authorities. The inspection of the works by the authorities shall be arranged by the Contractor and necessary coordination and liaison work in this respect shall be the responsibility of the Contractor. However statutory fees paid, if any, for all inspections and approvals by such authorities shall be reimbursed at actual by the Owner to the Contractor on production of documentary evidence. The contractor is responsible for obtaining the permission/ work/traffic permits to meet the agreed monthly targets.

Any change/addition required to be made to meet the requirements of the statutory authorities shall be carried out by the Contractor free of charge. The inspection and acceptance of the work by statutory authorities shall

however, not absolve the Contract from any of his responsibilities under this Contract.

2.10 Quality Assurance

- 2.10.1 Detailed quality assurance program to be followed for the execution of Contract under various divisions of works will be mutually discussed and agreed.
- 2.10.2 The Contractor shall establish document and maintain an effective quality assurance system as outlined in recognized codes.
- 2.10.3 Quality Assurance System plans/procedures of the Contractor shall be furnished in the in the form of QA manual. This document should cover details of the personnel responsible for the quality assurance, plans or procedures to be followed for quality control in respect of Design, Engineering, Procurement, Supply, Installation, Testing and Commissioning. The quality assurance system should indicate organizational approach for quality control and quality assurance of the construction activities, at all stages of work at site as well as at manufacturer's works and dispatch of materials.

The Owner/Consultant or their representative shall reserve the right to inspect/witness, review any or all stages of work at shop/site as deemed necessary for quality assurance.

- 2.10.4 The Contractor has to ensure the deployment of quality Assurance and Quality Control Engineer(s) depending upon the quantum of work.

2.11 Notice and Licenses

The Contractor shall at his costs and expenses give to the Municipal or Panchayat, NHAI, R&B, Police, traffic police and other authorities all notices etc., that may be required in law to be given and obtain all necessary permissions and licenses etc., for temporary obstructions, enclosures and pay all fees, taxes charges etc. which may be legible by such authorities for that purpose. The Contractor shall make good any damage to the adjoining property whether public or private.

2.12 Working Hours

Depending upon the requirements, time schedule/ drawn up programs and the target set to complete the job in time the works may have to continue beyond normal working hours to the extent of round the clock and on holidays also for which no extra claim shall be entertained.

2.13 Responsibility of Contractor

Preparing approaches and working area for the movement and operation or the cranes, leveling the area for assembly and erection shall also be the responsibility of the Contractor. The Contractor shall acquaint himself with access availability, facilities such as railway siding, local labour etc.

The procurement and supply in sequence and at the appropriate time of all materials and consumables covered under Contractor's scope of supply shall be entirely the Contractor's responsibility. Contractor shall not use any of the equipment or materials issued to him by Owner for temporary works, manufacturing erection aids etc. Misuse of materials will be seriously viewed and deduction at penal rates will be made from the Contractors bill for such quantities that are misused.

Contract Price is deemed to be inclusive of all expenses towards above responsibilities.

2.14 Additional Works/Extra Works

Owner reserve their right to execute any additional works/ extra works, during the execution of Work, either by themselves or by appointing any other agency, even though such works are incidental to and necessary for the completion of works awarded to the Contractor. In the event of such decisions taken by Owner, Contractor is required to extend necessary cooperation and act as per the instructions of Engineer-in-Charge

3.0 Construction

OWNER reserves the right to inspect all phases of Contractor's operations to ensure conformity to the SPECIFICATIONS. Owner will have Engineers, Inspectors or other duly authorized representatives, made known to the Contractor present during progress of the WORK and such representatives shall have free access to the WORK at all times. The presence or absence of an Owner's representative does not relieve the Contractor of the responsibility for quality control in all phases of the WORK. In the event that any of the WORK being done by the Contractor or any Sub-Contractor is found by Owner's representatives to be unsatisfactory or not in accordance with the DRAWINGS, procedures and SPECIFICATIONS, the Contractor shall, upon verbal notice of such, revise the work in a manner to conform to the relevant DRAWINGS, procedures and SPECIFICATIONS.

3.1 Rules and Regulations

Contractor shall observe in addition to Codes specified in respective specification, all national and local laws, ordinances, rules and regulations and requirements pertaining to the work and shall be responsible for extra costs arising from violations of the same.

3.2 Procedures

Various procedures and method statements to be adopted by Contractor during the construction as required in the respective specifications shall be submitted to Engineer-in-Charge in due time for approval. No construction activity shall commence unless approved by Engineer-in-Charge in writing.

3.3 Security

The work being in protected area, entry into the work area shall be restricted and governed by issue of photo gate passes by the Security/CISF. The Contractor shall arrange to obtain through the Engineer-in-Charge, well in advance, all necessary entry permits/gate pass for his staff and labour and entry and exit of his men and materials shall be subject to vigorous check by the security staff. The Contractor shall not be eligible for any claim or extension of time whatsoever on this account.

3.4 Drawings and Documents

Refer Particular Job specifications/Technical specifications.

3.5 Excavation by blasting is not permitted wherever required in hard strata other mechanical tools shall be used.

3.6 Construction Equipment & Mechanization of Construction Activities

Contractor shall, without prejudice to his overall responsibility to execute and complete the Work as per specifications and time schedule, adopt as far as practicable, mechanized construction techniques for major site activities.

However, Contractor agrees that he will deploy the required numbers and types of the part & machinery applicable for different activities in consultation with the Engineer-In-Charge during execution of works.

The Contractor shall mechanize the construction activities to the maximum extent by deploying all necessary construction equipment/machinery in adequate numbers and capacities.

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Wherever Structural/Piping works are included in the scope, the Contractor's responsibilities shall include

establishing and maintaining of a proper fabrication workshop with transportation facilities to site to carryout fabrication of steel structures, piping specials etc., preparing approaches working areas for the movement/operation of cranes and leveling the areas for assembly/erection to ensure effective mechanization on the works. The Contractor shall acquaint himself with availability of access, facilities such as railway siding, local labour etc. and the Contractor may have to build temporary access roads to aid his work and the quoted and agreed rates shall be deemed to include the same. It may be noted that all fabrication work shall be carried out in fully mechanized workshops to reduce site fabrication to minimum.

For speedy execution of work, Contractor shall also ensure use of computer software for at least the following:

- (i) Billing
- (ii) Planning & Scheduling
- (iii) Progress Reporting
- (iv) Material Control & Warehousing
- (v) Safety Records
- (vi) Resource Deployment
- (vii) Communication

Contractor further agrees that Contract price is inclusive of all the associated costs) which he may incur for actual mobilization, required in respect of use of mechanized construction techniques and that the Owner/Consultant in this regard shall entertain no claim whatsoever.

3.7 Site Organization

The Contractor shall provide all necessary superintendence during the design and execution of the Works and as long thereafter as the Engineer-in-Charge may consider necessary for the proper fulfilling of the Contractor's obligations under the Contract. Such superintendence shall be given by sufficient persons having adequate knowledge of the operations to be carried out including the methods and techniques required the hazards likely to be encountered and methods of preventing accident for the satisfactory and safe execution of the Work. The workmen deployed, by the Contractor should also possess the necessary license etc., if required under any law, rules and regulations.

Subject to the provisions in the Contract Document and without prejudice to Contractor's liabilities and responsibilities to provide adequate qualified and skilled personnel on the Work, Contractor shall augment the same as decided by the Engineer-in-Charge depending on the exigencies of Work.

3.7.1 Supervision

All construction work will be carried out as per direction of EIC, and this will be the primary point of contact between the Contractor and BGL on site. All work will be issued and sanctioned through the EIC and site control exercised by site engineers. The Contractor shall ensure that technical quality standards are maintained, that construction is carried out cost effectively and that a good customer and public image is maintained for BGL.

The Contractor will appoint his own supervisors of minimum number instructed by EIC. These personnel will be responsible to the SE for monitoring construction standards and for ensuring that all detailed technical requirements are met on each and every job which is undertaken. The Contractor's supervisor(s) will have day to day liaison with the SE, and will provide the SE with technical reports and audits, and other management information as is required on work progress and construction quality standards.

The Contractor's supervisor shall have mobile telephones or pagers to ensure that they can be contacted at all times. The Contractor will also nominate one person who can be contacted if necessary out of hours, for the duration of the works. The Contractor's supervisor will have access to transport at all times to allow them to visit sites and attend meetings with BGL as is required, the normal day to day issue of work instructions, communication between BGL and the Contractor's supervisor and the SE. No deviation from the approved technical specification / issued construction drawings shall be undertaken without written approval of EIC.

3.8 Health Safety and Environment (HSE) Management

After the award of the contract, detailed Health, Safety and Environment (HSE) program to be followed for execution of contract under various divisions of works will be mutually discussed and agreed between Contractor, Client & PMC.

The Contractor shall establish document and maintain an effective Health, Safety and Environment (HSE) management system.

In case contractor fails to follow the instructions of Engineer-in-charge with respect to above clauses, next payment due to him shall not be released unless until he complies with the instructions to the full satisfaction of Engineer-in-charge.

The Contractor shall adhere to the Health, Safety and Environment (HSE) management system as per BGL Specification and General Conditions of Contract.

It will be the Contractor's responsibility to acquaint his site staff and operatives of all current safety legislation, statutory requirements and BGL's safety standards. In addition, and before any work takes place all the Contractor's operatives shall be given training in site safety by the trained person under supervision of BGL. If the Contractor wishes to start any new operators on site, he must first inform the SE, who will arrange for such training to be arranged.

3.9 General Guidelines During and Before Erection

3.9.1 The Contractor shall be responsible for organizing the lifting of the structural element, equipment in the proper sequence, that orderly progress of the work is ensured and access routes for erecting the other structures/ equipment's are kept open.

3.9.2 During the performance of the work the Contractor at his own cost, shall keep structures, materials and equipment adequately braced by guys, struts or otherwise approved means which shall be Supplied and installed by the Contractor as required till the installation work is satisfactorily completed.

Such guys, shoring, bracing, strutting, planking supports etc. shall not interfere with the work of other agencies and shall not damage or cause distortion to other works executed by him or other agencies.

3.9.3 Manufacturer's recommendations and detailed specifications for the installation of the various equipment and machines shall be fulfilled by the Contractor.

3.9.4 Various tolerances required as marked on the drawings and as per specifications and instructions of the Engineer-in-Charge, shall be maintained.

Verticality shall be maintained. Verticality shall be verified with the Theodolite/advanced instruments,

3.10 Construction Photographs

The Owner desires to have two sets of monthly progress reports with geo tagged photographs Videos showing

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the progress of construction. Before utilizing any photograph for publicity, the Contractor shall

obtain prior approval of the Owner.

3.11 Schedule of Labour

Schedule of Labour Rates attached as **Annexure-IX** to SCC shall be used for analyzing rates for extra items. Schedule of equipment rates attached as **Annexure-X** to SCC shall be used for analyzing rates for extra items.

3.11 A Construction Equipment

Contractor to mobilize construction equipment in good condition to complete the work in the schedule time period. The list of construction equipment's required for execution of works are mentioned in Annexure-VII.

3.12 Specific Requirements

The contractor to take up the works in the existing area of MDPE grid also. This includes service lines provided for domestic connections. No separate payment shall be made for the works carried out in the existing areas. The decision of allocation of works in the existing/new area is entirely at the discretion of Engineer in charge and contractor to bind the instructions.

In addition, the specific requirements spelt out in various technical parts of the Bidding Document shall be followed by Contractor.

3.13 Site Cleaning

3.13.1 The BIDDER shall take care for cleaning the working site from time to time for easy access to work site and also from safety point of view.

3.13.2 Working site should be always kept cleaned up to the entire satisfactions of the Engineer-in-charge.

Before handing over and work to owner, the BIDDER in addition to other formalities to be observed as detailed in the document shall clear the site to the entire satisfaction of Engineer-in-charge.

3.14 SURVEY OF WORK

Before the WORK or any part thereof are begun, the Contractor's agent and the Engineer-in-Charge's representative shall together survey the SITE and decide the tentative route considering all obstructions on which the pipeline is to be laid and on which measurements of the WORK are to be based. Such particulars shall be plotted by the BIDDER and trial pits started thereon.

The Contractor shall be entirely responsible for the correctness of every part of the WORK and shall rectify any errors or imperfections therein. Such rectifications shall be carried out by the Contractor at his own cost, when instructions are issued to this effect by the Engineer-in-Charge or his representative.

WORK shall be suspended for such times as necessary for checking lines and levels on any part of the WORK.

The Contractor shall at his own expense provide all assistance, which the Engineer-in-Charge may require

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for checking the setting out to WORKS.

Before commencement of any activity, Contractor's quality control set up duly approved by company must be available at site

4.0 TESTS, INSPECTION AND COMPLETION

4.1 Tests and Inspection

The Contractor shall carry out the various tests as enumerated in the technical specifications of this Bidding Document and technical documents that will be furnished to him during the performance of the work at no extra cost to the Owner.

All the tests either on the field or at outside laboratories concerning the execution of the work and supply of materials by the Contractor shall be carried out by Contractor at his own cost.

The work is subject to inspection at all times by the Engineer-in-Charge. The Contractor shall follow all instructions given during inspection and shall ensure that the work is being carried out according to the technical specifications of this Bidding Document, the technical documents that will be furnished to him during performance of work and the relevant codes of practice.

The Contractor shall provide for purposes of inspection access ladders, lighting equipment for testing, necessary instruments etc. at his own cost, low voltage lighting equipment for tray fixing and inspection work.

Compressed air for carrying out flushing & testing works shall be arranged by the Contractor at his own cost.

For material supplied by Owner, Contractor shall carryout the tests, if required by the Engineer-in-Charge, and the cost of such tests shall be reimbursed by the Owner at actual to the Contractor on production of documentary evidence.

For materials supplied by Owner, contractor shall carryout the tests, if required by the Engineer-in- charge, and the cost of such tests shall be reimbursed by the Owner at actual to the Contractor on production of documentary evidence.

Contractor shall inspect carefully all equipment before receiving them from Owner for installation purposes. Any damage or defect noticed shall be brought to the notice of Engineer-in- Charge immediately.

All results of inspection and tests will be recorded in the inspection reports, proforma of which will be approved by the Engineer-in-Charge. These reports shall form part of the completion documents. Any work not conforming to execution drawings, specifications or codes shall be rejected and the Contractor shall carryout the rectifications at his own cost.

Inspection and acceptance of the work shall not relieve the Contractor from any of his responsibilities under this Contract.

4.2 Final Inspection

After completion of all tests as per specification the whole work will be subject to a final inspection to ensure that job has been completed as per requirement. If any defect is noticed, the Contractor will be notified by the Engineer-in-Charge and he shall make good the defects at his own cost and risk with utmost speed. If,

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however, the Contractor fails to attend to these defects within a reasonable time (time period shall be fixed

by the Engineer-in-Charge) then Engineer-in-Charge may have defects rectified at Contractor's cost.

When these works are carried out at the risk and cost of the Contractor, the Engineer-in-charge would recover the actual cost incurred towards labour, supervisions and material, consumables or otherwise, plus 100% towards overheads from any pending bill of the Contractor or the security deposit.

4.3 Documentation

4.3.1 As - Built Drawings

Notwithstanding the provisions contained in standard specifications, upon completion of commissioning, the BIDDER shall complete all of the related approved drawings along with bill of materials to the "AS BUILT" stage provide to a **scale of 1:500** and submit to BGL, the following:

- a) One complete set of all original tracings.
- b) One complete set in reduced size (279 mm x 432 mm).
- c) One complete set of Soft Copy in CD of all original drawings.
- d) Six complete sets of approved color prints in A0 / A1 sizes.

4.3.2 Completion Document

The following documents shall be submitted in hard binder by the BIDDER in THREE sets, as a part of completion documents: -

- a) Copies of the Inspection reports, Laying Graphs, HDD Profiles and valve pit drawings.
- b) Pre testing, final Hydrostatic / pneumatic and other Test results and reports.
- c) Consumption statements of PE / GI certified by Owner's Site Engineer.
- d) Material Reconciliation, stores issue & return statements
- e) All other requirements as specified in the respective specifications.
- f) Completion Certificate issued by Owner's Site Engineer.
- g) No claim certificate by the BIDDER.
- h) Completion certificate for embedded and covered up works wherever applicable.
- i) Recovery statement, if any.
- j) Deviation statement.
- k) Statement for reconciliation of all the payments and recoveries made in the progress bills.
- l) Copies of deviation statement and order of extension of time, if granted.
- m) Any other contractual documents required on completion.



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4.4 Statement of Final Bills-Issue of No Demand Certificate

The final bill of Contractor shall be accompanied by no claim and no-demand certificate.

4.5 Issue and Reconciliation of Material

Every month, the contractor shall submit an account for all materials issued by Owner in the Performa prescribed by the Engineer-in-charge. On completion of the work, the contractor shall submit “Material Appropriation Statement” for all materials issued by the owner in the Performa prescribed by the Engineer-in charge.

All unused scrap materials shall be the property of the Owner and shall be returned by the Contractor category-wise at his cost to the Owner’s designated store. In case the contractor fails to do so/or exceeds the limits of allowances specified above for scrap/serviceable materials .then the recovery for such quantities not returned by the Contractor will be done at the penal rate i.e,125% of landed cost at the time of final bill/closing of contract by Engineer-in-charge. The recovery shall be affected from the contractor’s bill(s) or from any other dues of the Contractor to the Owner. Contractor shall be responsible for the adjustment /weighment/measurement of the surplus materials to be returned to the store. Contractor shall also be responsible for suitable segregation of returned materials in to separate stakes of serviceable and scrap materials.

In addition to above, other requirements are covered in Annexure-**VI** to SCC.

5.0 REGISTRATION OF THE CONTRACT WITH STATUTORY AUTHORITIES (FOR FOREIGN BIDDER)

- 5.1** Within 30 days of execution of the Contract agreement, the Contractor shall register themselves and the Contract at their own cost with the Reserve Bank of India, Income Tax, Sales Tax and such other statutory authorities, as may be required under the rules and regulations governing in India. The Contract Price shall be deemed to include all costs towards the same. A copy of all documents related to all such registration shall be submitted to Employer for record.

6.0 LIMITATION OF LIABILITY

- 6.1** The final payment by the Employer in pursuance of the Contract terms shall not mean release of the Contractor from all of his liabilities under the Contract. The Contractor shall be liable and committed under this contract to fulfill all his liabilities and responsibilities, till the time of release of contract performance guarantee by the Employer.
- 6.2** Notwithstanding anything contrary contained herein, the aggregate total liability of Contractor under the Contract or otherwise shall be limited to 100% of Contract value. However, neither party shall be liable to the other party for any indirect and consequential damages, loss of profit or loss of production.

7.0 CRITICAL WORKS TO BE CARRIED OUT BY CONSORTIUM LEADER

Deleted

8.0 CONTRACT PERFORMANCE GUARANTEE

The clause no. **24.0** of GCC shall stand modified to the following extent only.

- 8.1 As a Contract Security, the Contractor to whom the work is awarded, within 15 (Fifteen) days of such award of contract shall furnish a Contract Performance Guarantee in favour of the Employer in the form of an irrevocable and unconditional Bank Guarantee as per Performa approved by Employer. This Bank Guarantee shall be issued by any Indian Nationalized /Scheduled Bank or reputed International Bank as stipulated at Clause 37.0 below. The Guarantee amount shall be 10% (Ten Percent) of the Contract Price as awarded, for the faithful performance of the contract strictly in accordance with terms and conditions of contract. The Guarantee shall be valid till expiry of 90 (Ninety) days after the end of Defect Liability Period.**
- 8.2 The Employer shall have an unqualified option under this guarantee to invoke the Banker's Guarantee and claim the amount there under in the event of the Contractor failing to honour any of the commitments entered into under this Contract and/or in respect of any amount due from the Contractor to the Employer/Consultant. In case Contractor fails to furnish the requisite Bank Guarantee as stipulated above, then the Employer shall have the option to terminate the Notification of Award of Work and forfeit the Bid Security/Earnest Money amount and no compensation for the works performed shall be payable upon such termination.
- 8.3 Upon completion of the Works as per Completion Schedule stipulated in the Contract, the above said guarantee shall be considered to constitute the Contractor's warranty/guarantee for the work done by him or for the Works supplied and their performance as per the specifications and any other conditions against this Contract. The warranty/guarantee shall remain in force for 12 months from the date of issuance of certificate of Completion and Acceptance against this Contract as per GCC. The Contractor shall also arrange for the Performance Guarantee to remain valid till expiry of 90 days after the end of Defect Liability Period /Guarantee period for entire works covered under the contract.
- 8.4 In the event of Completion of Project being delayed beyond the Scheduled Completion Date, the Employer may without prejudice to any other right or remedy available to the Employer, operate the Bank Guarantee to recover the Compensation for delay leviable as per Clause 32.0 below. The Bank Guarantee amount shall thereupon be increased to the original amount, or the Contractor may alternatively submit a fresh Bank Guarantee for the equivalent amount of compensation for delay recovered.
- 9.0 TAXES, DUTIES AND LEVIES IN INDIA**
- 9.1 The Contractor agrees to and does hereby accept full and exclusive liability for the payment of any and all taxes, duties, including excise duty, service tax, custom duty, CVD, additional CVD, octroi etc. now in force and hereafter increased, imposed or modified from time to time in respect of works and materials and all contributions and taxes for unemployment compensation, insurance and old age pensions or annuities now or hereafter imposed by any Central or State Government authorities which are imposed with respect to or covered by the wages, salaries, or other compensations paid to the persons employed by the Contractor and the Contractor shall be responsible for the compliance with all obligations and restrictions imposed by the Labour Law or any other law affecting employer-employee relationship and the Contractor further agrees to comply, and to secure the compliance of all sub-contractors with all applicable Central, State, Municipal and local law and regulation, and requirement of any central, State or Local Government agency or authority. Contractor further agrees to defend, indemnify and hold Employer/Consultant harmless from any liability or penalty which may be imposed by the Central, State or Local authorities by reason of any violation by Contractor or Subcontractor of such laws, regulations or requirements and also from all claims, suits or proceedings that may be brought against the Employer/Consultant arising under, growing out of, or by reason of the work provided for by this Contract, by third parties, or by Central or State Government authority or any administrative sub-division thereof. The prices shall also be inclusive of Sales Tax /Works Contract Tax/



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VAT/ Trade tax/ turnover tax as applicable.

9.2 Employer shall make from Contractors bills such tax deductions as are required as per rules and regulations in force from time to time.

9.3 If excise duty is applicable during site fabrication, the same must be assessed and deemed to be included by the bidder in the quoted prices. The bidder in this regard shall arrange all required formalities.

10.0 TAXES, DUTIES AND LEVIES IN FOREIGN COUNTRIES - DELETED

11. SUBSEQUENT LEGISLATION

11.1 All duties, taxes (including sales tax on works contract/ trade tax/ turnover tax/service tax as applicable), fees, charges, expenses, etc. (except where otherwise expressly provided in the Contract) as may be levied/ imposed in consequence of execution of the works or in relation thereto or in connection therewith as per the Acts, Laws, Rules, Regulations in force shall be to Contractor's account. However, any new taxes /duties imposed after the date of submission of last price bid & up to Contractual Completion date shall be to the BGL's account but such Taxes /duties imposed beyond Contractual Completion date shall be to the Contractor's account.

12.0 STATUTORY VARIATION IN TAXES & DUTIES

12.1 Clause 100.1 of GCC is modified to the following extent.

12.2 The statutory variation in Custom Duty, CVD, Excise duty, Sales Tax, VAT, Service Tax etc **except WCT** within the Contractual completion period shall be to Employer's (BGL) account, against submission of the documentary evidence. However, any increase in the rate of Custom Duty, CVD, Excise duty, Sales Tax, VAT, GST etc beyond the Contractual completion period shall be to contractor's account whereas any decrease in the rate of Custom Duty, CVD, Excise duty, Sales Tax, VAT, Service Tax etc shall be passed on to the Employer.

12.3 The base date for the purpose of applying statutory variation shall the due date of submission of last price bid.

12.4 Regarding Goods & Service Tax and Excise Duty & VAT / WCT, Contractor shall submit Cenvatable/Vatable bills giving break-up of tax amount, so that Employer can avail the Cenvat / VAT benefit as per rule. The Cenvatable / Vatable Invoice to be raised on

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13.0 INCOME TAX & CORPORATE TAX

13.1 Income Tax deductions shall be made from all payments made to the Contractor as per the rules and regulations in force in accordance with the Income Tax Act prevailing from time to time.

13.2 Corporate Tax liability, if any, shall be to the contractor's account.

13.3 Works Contract tax/ VAT as may be applicable shall be deducted as per the trade tax act.

14.0 CUSTOM DUTY

- 14.1** The Contract Price shall include the following duties i.e. Custom Duties, CVD, additional CVD for all materials and consumables envisaged to be imported for incorporation in the permanent works. It shall be clearly understood by the Contractor that custom duty shall neither be paid nor reimbursed by Employer. Contractor shall be fully responsible for port clearance including stevedoring, handling, unloading, loading, storage, inland transportation and receipt of materials at site etc. and cost thereof shall be included in the contract price. The contractor shall also be fully responsible for any delays, penalties, demurrages, shortages and other charges and losses, if any, in this regard. However, the Employer shall pay statutory variation in custom duty (except Cenvatable component), if any, after the date of submission of last price bid & up to Contractual completion period but beyond the contractual completion period the statutory variation shall be to contractor's account.

The CIF value of materials envisaged to be imported for the purpose of permanent incorporation in the works shall be indicated separately in the Price Schedule. The custom duty and other import duties payable on the CIF value of materials imported for the purpose of permanent incorporation in the work shall be paid directly by the contractor and are included in the contact price. However, the Employer shall pay statutory variation in custom duty (except Cenvatable component), if any, after the date of submission of last price bid & up to Contractual completion period but beyond the contractual completion period the statutory variation shall be to contractor's account.

15.0 CUSTOM DUTY ON CONSTRUCTION EQUIPMENTS

- 15.1** Contractor is liable to pay custom duty on the equipment's brought into India for executing the project. The Contractor shall be fully liable for observing all the formalities in this regard as well as to pay the custom duty chargeable on the equipment's, including any deposit payable for such purposes. No adjustment in contracted rates shall be permissible for any change in duty drawback applicable in respect of equipment & machinery brought in India for the use of the project and for re-export of equipment and machinery, on completion of the project.
- 15.2** If the Custom Authorities require the Contractor to furnish a bond to secure payment of any custom duty in respect of any import and that such Bond shall be furnished by the Employer, the Employer may at the request of the Contractor furnish the said Bond against the Contractor furnishing a Bank Guarantee to the Employer, of the like amount in the form and from a Bank in India approved by the Employer.
- 15.3** If for any reason the Employer is required by the Customs Authorities during pendency of Contract to pay any customs duty due to the importation or retention by the Contractor of any imports, the Contractor shall forthwith on demand by the Employer pay the same to the Employer, with the right in the Employer/Consultant (without prejudice to any other mode of recovery or right of the Employer/Consultant) to deduct the same from the on account and other payments due and/or becoming due or payable to the Contractor from time to time. The payments under such a case shall be subject to submission of Bank Guarantee from a Bank approved by Employer, by the Contractor in favour of the Employer for an amount equivalent to amount of custom duty.
- 15.4** The obligations undertaken and/or any bond or facility provided by the Employer to the Contractor shall be based on the clear understanding that the said equipment shall be utilized by the Contractor only for the performance of the work covered under this contract and that the Employer/Consultant shall be discharged forthwith from all said obligations and shall be entitled forthwith to discontinue and recall any bond or other facility to the Contractor if the Contractor shall utilize or permit to be utilized the said equipment(s) or any of them for the performance of any work other than the work covered by the Contract in which event any



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amount due from Contractor in this connection shall also carry interest @22% (Twenty two percent) per annum from the date of relative payment by Employer up to the date of recovery in full.

16.0 ISSUE OF CERTIFICATE- PERTAINING TO IMPORT

BGL shall not provide any kind of certificate.

17.0 IMPORT LICENCE

- 17.1** Contractor shall arrange import of all materials required for permanent incorporation in the works as well as construction equipment as per the guidelines laid down by the Government of India. Employer shall not provide import license.

18.0 WITHHOLDING, ACCOUNTING AND TAX REQUIREMENTS

Contractor agrees for withholding from wages and salaries of its agents, servants or employees all sums, required to be withheld by the laws of the Republic of India or any other agency having jurisdiction over the area where Contractor is conducting operations, and to pay the same promptly and directly when due to the proper authority. Contractor further agrees to comply with all accounting and reporting requirements of any Nation having jurisdiction over the subject matter hereof and to conform to such laws and regulations and to pay the cost of such compliance. If requested, Contractor will furnish the evidence of payment of applicable taxes, in the country(ies) of the Contractor's and his sub-contractor(s) and expatriate employees

19.0 INTELLECTUAL PROPERTY

- 19.1** Neither Employer nor Contractor nor their personnel, agents nor any sub-contractor shall divulge to any one (other than persons designated by the party disclosing the information) any information designated in writing as confidential and obtained from the disclosing party during the course of execution of the works so long as and to the extent that the information has not become part of the public domain. This obligation does not apply to information furnished or made known to the recipient of the information without restriction as to its use by third parties or which was in recipient's possession at the time of disclosure by the disclosing party. Upon completion of the works or in the event of termination pursuant to the provisions of the contract, Contractor shall immediately return to Employer/Consultant all drawings, plans, specifications and other documents supplied to the Contractor by or on behalf of Employer/Consultant or prepared by the Contractor solely for the purpose of the performance of the works, including all copies made thereof by the Contractor.

20.0 FIRM PRICE

- 20.1** The quoted prices shall be firm and shall not subject to price escalation till the work is completed in all respects.

21.0 WORKS CONTRACT

- 21.1** The work covered under this contract shall be treated as "Works Contract".

22.0 PROVIDENT FUND ACT

- 22.1** The Contractor shall strictly comply with the provisions of Employees Provident Fund Act and register themselves with RPFC before commencing work. The Contractor shall deposit Employees and Employers contributions to the RPFC every month. The Contractor shall furnish along with each running bill, the



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challan/ receipt for the payment made to the RPFC for the preceding months.

23.0 MOBILIZATION ADVANCE: NOT APPLICABLE

24.0 VOID

25.0 TERMS OF PAYMENT

25.1 Basis and terms of payment for making “On Account Payment” shall be as set out in **Annexure-5** to SCC.

26.0 COMPENSATION FOR EXTENDED STAY

26.1 The clause no. **87** (vi) of GCC is modified to the following extent:

26.1.2 In case the time of completion of work is delayed beyond the time schedule indicated in the bidding document plus a grace period equivalent to 1/5th of the time schedule due to reasons solely attributable to Employer, the contractor shall be paid extended stay compensation in order to maintain necessary organizational set up and construction tools, tackles, equipment's etc. at site of work. The bidder shall mention the rate for such extended stay compensation per month in the 'Priced Part' which will be considered for evaluation. The period for the purpose of evaluation shall be 1/5 of the time schedule or **1 (One)** month whichever is less.

26.1.3 In case bidder does not indicate the rate for extended stay compensation as per the Performa in Priced Part, it will be presumed that no extended stay compensation is required to be paid to the contractor.

26.1.4 In case the completion of work is delayed beyond a period of one month after the grace period then both the Employer and the Contractor shall mutually decide the future course of action including payment of further extended stay compensation.

27.0 COORDINATION WITH OTHER AGENCIES

27.1 Work shall be carried out in such a manner that the work of other agencies operating at the site is not hampered due to any action of the Contractor. Proper coordination with other agencies will be Contractor's responsibility. In case of any dispute, the decision of Engineer-in-Charge shall be final and binding on the Contractor.

28.0 SETTLEMENT OF DISPUTE BETWEEN TWO PSU's

In the event of any disputes or difference relating to the interpretation and application of the provisions of the contracts, such disputes or differences shall be referred by either party to the Arbitration in the Department of Public Enterprises nominated by the Secretary to the Govt. of India in charge of the Board of Public Enterprises, Govt. of India. The Arbitration and Conciliation of shall not be applicable to such arbitration. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the

Special/ Additional Secretary when so authorized by the Law Secretary whose decision shall bind the parties finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

29.0 ROYALTY

29.1 Contractor's quoted rate should include the royalty on different applicable items as per the prevailing Government rates. In case, Employer is able to obtain the exemption of Royalty from the State Government,

the contractor shall pass on the same to Employer for all the items involving Royalty.

30.0 SITE FACILITIES FOR WORKMEN

30.1 Following facilities are to be ensured at all work places where workmen are deployed/engaged by Contractor.

- i) Arrangement of first aid
- ii) Arrangement for clean drinking water.
- iii) Toilets
- iv) Canteen where tea & snacks are available
- v) A crèche where 10 or more women workmen are having children below the age of 6 years.

31.0 ARBITRATION

31.1 Clause No.107.0 of GCC pertaining to Arbitration shall be replaced by the following:-

- 31.1.1 All disputes, controversies, or claims between the parties (except in matters where the decision of the Engineer-in-Charge is deemed to be final and binding) which cannot be mutually resolved within a reasonable time shall be referred to Arbitration by sole arbitrator.
- 31.1.2 The Employer (BGL) shall suggest a panel of three independent and distinguished persons to the other party (Bidder/Contractor/ Supplier/Buyer as the case may be) to select any one among them to act as the sole Arbitrator.
- 31.1.3 In the event of failure of the other party to select the sole Arbitrator within 30 days from the receipt of the communication suggesting the panel of arbitrators, the right of selection of sole Arbitrator by the other party shall stand forfeited and the Employer shall have discretion to proceed with the appointment of the sole Arbitrator. The decision of the Employer on the appointment of Sole Arbitrator shall be final and binding on the both parties.
- 31.1.4 The award of the Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by the Parties. The arbitration proceeding shall be in English language and the venue shall be at Hyderabad, India.
- 31.1.5 Subject to the above, the provisions of (Indian) Arbitration & Conciliation Act, 1996 and the rules framed there under shall be applicable.
- 31.1.6 All matters relating to this contract are subject to the exclusive jurisdiction of the Courts situated in Hyderabad (India).
- 31.1.7 Bidders/ Supplier/ Contractors may please note that the Arbitration & Conciliation Act, 1996 was enacted by the Indian Parliament and is based on United Nations Commission on International Trade Law (UNCITRAL, model law), which were prepared after extensive consultation with Arbitral Institutions and centres of International Commercial Arbitration. The United Nations General Assembly vide resolution 31/98 adopted the UNCITRAL Arbitration rules on 15 December 1976.

32.0 void

33.0 PROJECT PLANNING, SCHEDULING AND MONITORING SYSTEM

33.1 The Contractor shall follow the specifications with respect to Project Planning, Scheduling and Monitoring system as giving in Bidding Document.

34.0 CHECKING OF LEVELS

- 34.1** The Contractor shall be responsible for checking levels, orientation plan of all foundations, foundation bolts, etc., well in advance of taking up the actual erection work and bring to the notice of Engineer-in-Charge discrepancies, if any. In case of minor variations in levels etc. the Contractor shall carry out the necessary rectifications to the foundations within his quoted price.
- 34.2** The Contractor shall also be responsible for checking with templates, wherever necessary, the disposition of foundation bolts with the corresponding bases of structure and shall effect rectifications, as directed, within his quoted rate.

35.0 STORAGE FACILITIES

- 35.1** The Contractor shall maintain wherever required an air-conditioned room for the storage of the instruments as well as for calibration and testing of the instruments at his own cost. The contractor shall provide these facilities within the quoted price.

36.0 ABNORMALLY HIGH RATED ITEMS (AHR ITEMS)

- 36.1** Clause No. 20.0 of GCC is modified to the following extent: the contract where the quoted rates for the items exceed 50% of the owners/ estimated rates, such items will be considered as Abnormally High Rates Item (AHR) and payment of AHR items beyond the SOR stipulated quantities shall be made at the least of the following rates:

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- i) Rates as per SOR, quoted by the Contractor.
- ii) Rate of the item, which shall be derived as follows:
 - a) Based on rates of machine and labour as available from the contract (which includes contractor's supervision, profit, overheads and other expenses).
 - b) In case rates are not available in the contract, rates will be calculated based on prevailing market rates of machine, material and labour plus 15% to cover contractor's supervision profit, overhead & other expenses.

37.0 BANK GUARANTEES

37.1 The provision relating to submission of Bank Guarantee from any Nationalized Bank wherever appearing in above documents stand replaced by the following:

- i) Bank guarantees towards Bid Security from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of
- ii) Indian bidder and from any reputed International Bank or Indian scheduled bank in case of foreign bidder, may be accepted. However, other than the Nationalized Indian Banks, the banks whose BGs are furnished, must be commercial banks having net worth in excess of Rs.1000 Million and a declaration to this effect should be made by such commercial bank either in the bank guarantee itself or separately on a letter head.
- iii) Similarly, bank guarantees towards Performance and Advance Payments may be accepted from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of Indian bidder as well as foreign bidder. However, other than the Nationalized Indian Banks, the banks whose BGs are furnished, must be commercial banks having net worth in excess of Rs.1000 Million and a declaration to this effect should be made by such commercial bank either in the bank guarantee itself or separately on a letter head.
- iv) Guarantee towards Bid Security/Contract and Equipment Performance / Advance Payment may also be acceptable from All India Level Public Financial Institution on case to case basis meeting the following criteria :
 - a) The Institution is All India Level Public Financial Institution.
 - b) It should be rated AAA by any rating agency like CRISIL.
 - c) The Institution should be authorized by way of Law/its memorandum to issue such guarantee.

38.0 CENVAT BENEFITS -void

39.0 COMPUTERIZED BILLS

Contractor shall submit computerized bills with duly printed Service Tax Registration no. etc.

40.0 ORDER PLACEMENT OF BOUGHT OUT ITEMS

The contractor is required to place firm order for all bought out items of adequate quantity (including 1st lot in those cases where items are required to be procured in more than one lot, if so stated in SOR/ SCC) within 30 days from the date of placement of order, failing which owner reserves the right to procure

the same at the risk & cost of the contractor. However the contractor shall always take prior approval of owner and consultant for items required to be procured.

Further lots (for those cases where items are required to be procured in more than one lot, if so stated in SOR/ SCC) shall be procured after suitable period so as to ensure adequate availability of material at site throughout the execution period).

41.0 REQUIREMENTS FOR CONTRACTOR AT SITE

- i. Contractor shall establish site office in the respective areas with adequate facilities like tables, chairs, telephone, and computer with mailing facility etc. for effective communication and documentation.
- ii. Contractor shall provide as and when required a wagon(s) suitable for soil removal, for the delivery or reinstatement materials and for the transport of pipe to and from site.
- iii. Contractor shall supply transport for their technical staff and operatives to move from site to site, and to move tools and equipment from site to site, this vehicle will also be fitted with a tow bar suitable for the towing of a mobile air compressor or pipe trailer.
- iv. Contractor shall make appropriate arrangements to ensure that their supervisor(s) are adequately mobile and can attend sites or meeting with BGL/ & other authorities or customers as required, without any undue delay.
- v. Contractors shall provide cell phones to their supervisors for day to day communication with BHAGYANAGAR Gas/ and site representatives of BGL/.
- vi. The RCM/ site in-charge must be a permanent employee of the contractor having desired qualification and work experience, Any change in key persons working at site shall be informed to the Owner promptly.
- vii. Owner will not allow switching/ swapping of key personnel of any contractor working at site from one contractor to another during the continuity of the contract.

42.0 COMPLIANCE WITH LAWS

The Contractor shall abide by all applicable rules, regulations, statutes, laws governing the performance of works in India, including but not limited to the following:

- i) Contract Labour (Regulation & Abolition) Act 1970 & the centre rules, 1971 framed there under.
- ii) Payment of Wages Act.
- iii) Minimum Wages Act.
- iv) Employer's Liability Act.
- v) Factory Act.
- vi) Apprentices Act.
- vii) Workman's Compensation Act.
- viii) Industrial Dispute Act.
- ix) Environment Protection Act.

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- x) Wild life Act.
- xi) Maritime Act.
- xii) Any other Statute, Act, Law as may be applicable.
- xiii) PNGRB Act.

43.0 NOTES TO SCHEDULE OF RATES (SOR)

- i) The SOR items would be operatable as per job requirement.
- ii) The quantities stated in SOR are tentative and may vary considerably on $\pm$ side depending upon site condition, methodology adopted as per site requirement. The payment will be made as per actual certified Measurement at site and as instructed by EIC.
- iii) The scope as mentioned in the SOR is of indicative nature only and shall include all activities as detailed in the relevant clauses of the specifications attached and other relevant documents enclosed with tender.
- iv) Any other materials & activities not mentioned/covered in SOR, but otherwise required for satisfactory completion/safety of work as defined in tender has to be supplied /done by contractor with in the specified schedule at no extra cost to owner.
- v) Contractor shall be required to deploy adequate no. of plumbing teams to ensure domestic conversions expeditiously. In this regard, no. of independent teams shall be decided by Engineer-in-charge.

44.0 Insurance

All kind of Insurances including transit Insurance shall be borne & arranged by the bidder in line with clause no. 101 of GCC-Works. Price quoted in SOR shall be inclusive of this cost. Clause no. 16 of GCC-Goods, in this respect, shall stand superseded to this extent.

45.0 PRICE REDUCTION SCHEDULE

The Price reduction schedule shall be applicable as per clause no. 27 of GCC-Works. The Contract/order value shall exclude GST for the purpose of Price reduction schedule.

PRS is the reduction in the consideration/contract value for the goods/services covered under this contract. In case of delay in supply/ execution of the contract, the supplier/contractor/service provider should raise invoice for reduced value as per Price Reduction Schedule Clause (PRS clause). If the supplier/ contractor/service provider has raised the invoice for the full value, then the supplier/contractor/service provider should issue Credit Note towards the applicable PRS amount with applicable taxes

In such cases, if supplier/ contractor/ service provider fails to submit the invoice with reduced value or does not issue credit note as mentioned above, BHAGYANAGAR Gas will release the payment to supplier/ contractor/ service provider after giving the effect of the PRS clause with the corresponding reduction of taxes charged on vendor's invoice, to avoid delay in delivery/collection of material.

In case any financial implication arises on BHAGYANAGAR Gas due to issuance of invoice without reduction in price or non-issuance of Credit Note, the same shall be to the account of supplier/ contractor/service provider. BHAGYANAGAR Gas shall be entitled to deduct /setoff / recover such GST amount (CGST & SGST/UTGST or IGST) together with penalties and interest, if any, against any amounts paid or becomes payable by BHAGYANAGAR Gas in future to the Supplier/Contractor under this contract or under any other contract.

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46.0 DIRECT PAYMENTS TO SUB-VENDORS/ SUPPORTING AGENCIES OF MAIN CONTRACTOR.

Normally, the payment is to be made to vendor/ contractor only as per provision of contract. During execution, in case of financial constraints, BGL may make direct payment to their sub-vendor/ supporting agencies as an exception from the amounts due to the vendors/ contractors from any of their bills under process upon certification by EIC subject to receipt of such request from the vendor/ contractor. Further, the request for direct payments to the sub-vendor/ sub-contractor shall be considered in performance evaluation of such vendor/ contractor.

47.0 SUB-LETTING OF WORKS

Pursuant to Clause No. 37 of GCC-Works:

The contractor shall not, save with previous consent in writing of the Engineer-in-charge, sublet, transfer or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever. Provided, nevertheless, that any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract.

However, subletting of WHOLE WORKS is prohibited. Vendor/ Contractor shall submit undertaking to this effect along with each invoice/ bill.

48.0 BONUS FOR EARLY COMPLETION

The Clause 27.3 of GCC-Works for Bonus for early completion shall not be applicable in this Contract.

49.0 PRADHAN MANTRI SURAKSHA BIMA YOJANA (PMSBY) AND PRADHANMANTRI JEEVAN JYOTI BIMA YOJANA (PMJJBY)

Contractor shall ensure that all its personnel deployed under this contract have obtained additional insurance coverage under the Pradhan Mantri

Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) through the participating banks and submit the proof of such insurance coverage to the satisfaction of BGL. The cost of the insurance premium amount for both the above schemes shall be borne by the contractor giving evidence/proof to BGL in this respect and the Contractor shall suitably consider the same in their bid.

Both the schemes are to be regulated continuously on yearly basis and the same should be renewed on each successive relevant date in subsequent years.

50.0 FORCE MAJEURE (FOR COVID-19)

Shall be as per Government of India Guide lines

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ANNEXURES TO SCC

C O N T E N T S

Annexure-1	:	Scope of Work
Annexure-2	:	Scope of Supply
Annexure-3	:	Time Schedule
Annexure-4	:	Measurement of Work
Annexure-5	:	Terms of Payment
Annexure-6	:	Quality Assurance
Annexure-7	:	Conditions for issue & reconciliation of
materialAnnexure-8	:	Construction equipment to be deployed
Annexure-9	:	Schedule of Labour Rate
Annexure-10	:	Schedule of Equipment Hourly Rental Rate

(Sign & Stamp)



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SCOPE OF WORK

**(ANNEXURE-1 TO SPECIAL CONDITIONS OF
CONTRACT)**

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ANNEXURE-1 TO SCC

1.0 SCOPE OF WORK

Scope of work shall be as detailed in Particular Job Specification, Technical Specifications, Schedule of Rates & various other parts of this Bidding Document.

(Sign & Stamp)



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SCOPE OF SUPPLY

**(ANNEXURE-2 TO SPECIAL CONDITIONS OF
CONTRACT)**

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ANNEXURE-2 TO SCC

1.0 SCOPE OF SUPPLY

1.1 Owner's Scope of Supply (Free Issue Item)

Owner's scope of supply shall be as specified in **Particular Job Specification**, Technical Specifications, Schedule of Rates & various other parts of the Bidding Document.

In order to speed up the project Few Free Issue Materials shall be issued to the Contractor from the designated store(s) of BHAGYANAGAR Gas Ltd. Contractor shall be responsible for lifting the free issue materials from Owner's storage point(s) and transporting the same to work site(s) at his own cost.

Only the Meter, Regulator, MDPE pipe and Service regulator are the free issue material.

Conditions for Issue and Reconciliation of Materials shall be as per Document enclosed as **Annexure-7** to Special Conditions of Contract.

1.2 Contractor's Scope of Supply

All materials except what is under Owner's scope of supply as mentioned in Clause No. 1.1 above that also includes GI Pipe, fittings, and others etc, and required for successful completion of works in all respects shall be supplied by the Contractor and the cost of such supply shall be deemed to have been included in the quoted price without any additional liability on the part of Owner.

All the brought out material should be as per T4S Standards, for GI Pipe specifications are IS1239.

GI Pipe Applicable Standard:

GI pipes shall conform to IS:1239 (Part 1) Heavy class pipes suitable for gas service, with a valid ISI licence.

Manufacturing & Quality for GI Pipe (IS 1239 Part1-C type Heavy class):

- Pipes must be hot-dip galvanized to protect against corrosion.
- Manufacturer must have appropriate quality certifications and compliance to IS standards.
- Zinc coating should meet hot dip galvanizing requirements (e.g., IS:4736) as applicable in supply documentation.

Man Power: Minimum **20–30 teams** shall be deployed for the work, and the number of teams shall be increased as per the requirement of the **Engineer-in-Charge (EIC)**. Each contractor must also arrange dedicated personnel including a **Project Manager, Site Supervisor for each site, Contractor Store Manager**, and a **Billing Executive** for proper execution and coordination of the project.



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TIME SCHEDULE

**(ANNEXURE-3 TO SPECIAL CONDITIONS OF
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ANNEXURE-3 TO SCC

TIME SCHEDULE

Name of Work	Time of Completion	
Above Ground GI Installations for Last Mile Connectivity at Consumer End as Detailed in SOR for City Gas Distribution Project at HYDERABAD (The time schedule is inclusive of mobilization period)	HYDERABAD	12 (Twelve Months)from date of Fax of Acceptance (FOA)

Note:

- 1) The time of completion shall be reckoned from the date of award of contract, which shall be the date of issue of letter/ Fax of Intent.
- 2) The time indicated is for completing all the works in all respects as per specifications, codes, drawings and instructions of Engineer-in-charge.
- 3) It should be noted that the period of construction given above includes preparation of drawings , procurement and supply of materials including their inspection & testing, mobilization at site, construction, laying, fabrication, erection inspection, testing, rectification (if any), pre-commissioning, commissioning and demobilization works etc. complete in all respects to the entire satisfaction of Owner/ Engineer-in- charge.

(STAMP & SIGNATURE OF BIDDER)



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MEASUREMENT OF WORK

(ANNEXURE-4 TO SPECIAL CONDITIONS OF CONTRACT – TECHNICAL)



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ANNEXURE-4 TO SCC

MEASUREMENT OF WORK

1.0 GENERAL

- 1.1** The mode of measurement shall be as mentioned in relevant standard specification incorporated in the Bidding Document. Any other mode of measurements not covered in above specifications shall be followed in accordance with relevant BIS codes/ Schedule of Rates/ Specifications etc. and/ or as decided by Engineer-in-charge.
- 1.2** Payment will be made on the basis of joint measurements taken by Contractor and certified by Engineer-in-charge. Measurement shall be based on “Approved for Construction” drawings, to be the extent that the work conforms to the drawings and details are adequate.
- 1.3** Wherever work is executed based on instructions of Engineer-in-charge or details are not adequate in the drawings, physical measurements shall be taken by Contractor in the presence of Engineer-in-charge.
- 1.4** Measurements of weights shall be in metric tonnes corrected to the nearest Kilogram. Linear measurements shall be in meters corrected to the nearest centimeters.
- 1.5** The weights mentioned in the drawing or shipping list shall be the basis for payment. If mountings for panels etc. are packed separately, their erection weights shall include all mountings.
- 1.6** Welds, bolts, nuts, washers etc. shall not be measured. Rates for structural steel work shall be deemed to include the same.
- 1.7** No other payment either for temporary works connected with this Contractor for any other item such as weld, shims, packing plates etc. shall be made. Such items shall be deemed to have been included for in the rates quoted.
- 1.8** Measurement will be made for various items under schedule of rates on the following basis as indicated in the unit column.

- | | | | |
|------|--------|---|-----------|
| i) | Weight | : | MT or Kg |
| ii) | Length | : | M (Meter) |
| iii) | Number | : | No. |
| iv) | Volume | : | Cu. M |
| v) | Area | : | Sq. M |

2.0 PIPING

- 2.1** Length of pipes shall be measured along the curvilinear centre of the pipelines laid/installed and shall include all types of fittings, bends etc. but excluding all types of



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valves. Length of valves shall be excluded from piping measurement and shall be considered on number basis.

3.0 FOR PIPELINE CROSSINGS BY HDD (if required) / BORING / MOLING METHOD

Payment shall be made as specified in SOR, PJS and Technical Specification.



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TERMS OF PAYMENT

(ANNEXURE-5 TO SPECIAL CONDITIONS OF CONTRACT)

ANNEXURE-5 TO SCC

1.0 TERMS OF PAYMENT

Pending completion of the whole works, provisional progressive payments for the part of work executed by the contractor shall be made by Owner on the basis of said work completed and certified by the Owner's representative as per the agreed milestone payment schedule and the percentage break-ups given below.

Contractor shall submit his invoices to the Owner's representative monthly in the manner as instructed by Owner. Each invoice will be supported by documentation acceptable to Owner and certified by the Owner's representative. Payments made by owner to the contractor for any part of the work shall not deem that the Owner has accepted the work.

The Contractor may raise the RA bill on monthly basis and payment shall be made as per the following terms: -

GI Supply and installation and other associated works : (SOR 1, 2, 6, 8, 9)

70% for Supply and installation, submission of reports.

15% for Testing and commissioning and submission of reports.

5% after the warranty period of 1 year (Right from Execution).

10% (contract closure and submission of final documents).

Meter and Regulator Installation (SOR 3, 4):

70% for installation and submission of reports.

10% for Testing and commissioning and submission of reports as per EIC requirements, pushing in RFC Stage in BGL Billing software like Pragyaware.

10% for conversion of stove and updating in BGL Billing software like Pragyaware in move in stage.

10% (contract closure and submission of final documents).

For MDPE Ground Connections and other associated works (SOR 10,11,12,13,14,15):

70% after successful laying, Flushing, testing and submission of all the relevant reports, Auto cad drawings n both softcopy and hardcopy.

20% for testing, Nitrogen purging & commissioning, and submission of the reports 10% after contract closure and submission of final documents.

For Registration (SOR 16):

70% after taking registration and CRN generation.

20% after work completion (RFC/Move in Status)

10% after contractor closure and submission of final documents.

For other works (Remaining SOR Items)

90% after successful completion of the works 10% after final closure.

Note: Any further breakup of each activity for the payment purpose can be done depending upon the site situation/requirement and recommendation by EIC after getting request letter from contractor and approval of Owner after that.

2.0 Payment Methodology

- I. The Contractor may raise invoices on monthly basis. Bidder shall enclose all documents as per checklist issued by BHAGYANAGAR Gas Ltd.
- II. The payment of the contractor will be released within 15 days from the date of receipt of complete invoice as per terms and condition of the contract.
- III. All payments against running bills are advance against the work and shall not be taken as Final acceptance of work / measurement carried out till the final bill.
- IV. Further break-up of Lump sum Prices, if deemed necessary for any progressive payment of individual item may be mutually arrived at between Engineer-in-Charge and the Contractor.
- V. Bills shall be raised by contractor in line with check list attached in Tender document.

3.0 Penalty Terms and Conditions:

- I. Contractor shall mobilize and start work including supply of GI pipes, fittings and other required materials by the date specified in the Contract. In the event of delay, Contractor shall pay Liquidated Damages at **0.5 % of the Contract Price per week or part thereof** of delay, subject to a **maximum of 5 % of the Contract Price**
- II. Contractor shall supply all materials conforming to quality standards. For non-conforming items, Employer may reject and impose penalty as per defect classification. (**1 % for critical defects, 0.5 % for major defects**), to be recovered from Contractor's RA Bill or security.
- III. Delay in the supply of contractor scope materials and shifting of the free issue materials to the assigned site as per the EIC requirements (within the assigned period), penalty of 0.5% of the RA Bill will be imposed.
- IV. Penalty of **INR 3,000 per day** for non-submission of Daily Progress Reports, monthly progress reports, Material Reconciliation reports, Testing reports, Material Certificates for supplied materials and other reports as per EIC requirement beyond due date until submission.
- V. Any violation of safety rules, PNGRB T4S regulations, work permit requirements, PPE norms, gas safety standards, or statutory provisions by the Contractor shall attract a penalty of **₹10,000 per per day**, which shall be recovered from the Contractor's RA bills or Performance Bank Guarantee. Repeated or major violations may lead to suspension or termination of the contract.
- VI. Failure to update the connection status in BGL billing software (Pragya ware), particularly at RFC / Move-In stage, within the stipulated time shall attract a penalty of **₹1,000 per connection**, which shall be recovered from the Contractor's running bills.
- VII. Minimum 20-30 working teams to be deployed and as per EIC requirement the teams should be increased, failure to deploy the requested teams leads to imposing of penalty of **₹5,000 per team per week**.
- VIII. Dedicated manpower such as a Site Supervisor for each site, Project Manager, and Billing/Data Handling Personnel shall be deployed by the contractor. In case of failure to provide the required personnel as per EIC, a penalty of ₹1,000/- per person per day will be imposed..

4.0 Warranty period of Contractor:

- IX. A warranty period of 12 months from the date of execution/commissioning shall be applicable. In case of any damage, defect, or failure in the installed materials or executed works during the warranty period, the Contractor shall rectify the same at their own cost. Failing which, 5% of the executed work value shall be



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deducted from the Contractor's bills or security deposit.



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QUALITY ASSURANCE

(ANNEXURE-6 TO SPECIAL CONDITIONS OF CONTRACT)

(For details- Refer our Technical Specification enclosed in Vol.-II of tender document.)



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CONDITIONS FOR ISSUE AND RECONCILIATION OF MATERIAL

(ANNEXURE-7 TO SPECIAL CONDITIONS OF CONTRACT)



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ANNEXURE-7 TO SCC

1.0 CONDITIONS FOR ISSUE OF MATERIALS

Whenever any material is issued by Owner, following conditions for issue of material in addition to other conditions specified in the contract shall be applicable.

1.1 Necessary indents will have to be raised by the Contractor as per procedure laid down by the Engineer-in-charge from time to time, when he requires the above material for incorporation in permanent works.

1.2 Materials will be issued only for permanent works and not for temporary works, enabling works etc. unless specifically approved by the Engineer-in-charge and the same shall not be taken into account for the purpose of materials reconciliation.

1.3 The contractor shall bear all other cost including lifting, carting from issue points to work site/ contractor's store, custody and handling etc. and return of surplus/ serviceable scrap materials to Owner's storage points to be designated by the Engineer-in-charge etc. No separate payment for such expenditure will be made.

1.4 No material shall be allowed to be taken outside the plant without a gate pass.

1.5 The contractor shall be responsible for proper storage, preservation and watch& ward of the materials.

1.6 Reconciliation of Owner supplied materials

1.6.1 Every month, the contractor shall submit an account for all materials issued by Owner in the proforma prescribed by the Engineer-in-charge. On completion of the work the contractor shall submit "Material Appropriation Statement" for all materials issued by the Owner in the proforma prescribed by the Engineer-in-charge.

Waste materials like part lengths of pipes and other partly used items are the property of BHAGYANAGAR GAS LTD. and must be returned to the store with the appreciate documentation so that they can be considered as part of the material reconciliation.

Item	Unaccountable	Scrap
Regulators Meters	0%	0%
PE Pipes	2%	2% (less than 2.0 mtrs)

* In case supplied by Owner

Unaccountable wastage/ scrap shall be at actual as per site assessment subject to maximum as stated above.



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The percentage allowance shall be accounted on the basis of final measurement book.

- 1.6.2 All unused, scrap materials and salvageable materials shall be the property of the Owner and shall be returned by the Contractor category-wise at his cost to the Owner's designated store yard(s). In case the Contractor fails to do so/ or exceeds the limits of allowances specified above for scrap/ serviceable materials, then recovery for such quantities not returned as well as returned in excess of permitted limit by the Contractor will be done at the penal rate i.e. 125% of landed cost at the time of final bill/ closing of contract by Engineer-in-charge shall be effected from the Contractor's bill(s) or from any other dues of the Contractor to the Owner. Contractor shall be responsible for the adjustment/ weighment/ measurement of the surplus materials to be returned to the store. Contractor shall also be responsible for suitable segregation of returned materials into separate stacks of serviceable and scrap materials.
- 1.6.3 Wherever certain material is covered under Contractor's scope of supply whether part or in full for any item of work covered under SOR, no allowance towards wastage/ scrap etc. shall be accounted for during execution stage.



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CONSTRUCTION EQUIPMENT TO BE DEPLOYED

(ANNEXURE-8 TO SPECIAL CONDITIONS OF CONTRACT)



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ANNEXURE-8
CONSTRUCTION EQUIPMENT TO BE DEPLOYED

Sl. No.	Description of Item	Minimum Qty. to be Deployed*foreach city
i.	Electro-fusion machine with Bar Code and control box with leads	2
ii.	Moling Equipment	As and when required
iii.	PE Squeeze Tools for all diameter Pipes	6
iv.	Universal pipe scrapper 20mm, 32mm / hand scrappers for all diameters	4
v.	Tapping tools for PE service tees	2 sets of all size
vi.	PE pipe cutter/ Guillotine for all diameters	3
vii.	Gas detection equipment, wherever required	As and when required
viii.	Cable and pipe locator	As and when required
ix.	PE closure plugs/ test ends for 20mm / 32mm pipes	As required
x.	Towing heads	As required
xi.	Pipe alignment clamps, jointing of elbow, tee, top loading clamps for top tee	4
xii.	Pipe straighteners, re-rounding tools of all pipe sizes	3
xiii.	Jumping Jack compactor	As and when required
xiv.	Roller for asphalting	As and when required
xv.	Water tanker	As and when required
xvi.	Hammer Drill	3
xvii.	Portable Power Generator a) 5 kVA b) 3 kVA	2 2
xviii.	Piston Drill	2 Gangs
xix.	Conversion Kit	6 Gangs as required
xx.	Pneumatic Test Pumps	2
xxi.	Die sets for thread preparation	2 per gang
xxii.	Soldier Torch	2
xxiii.	Cleaning pads	6
xxiv.	Cleaning Brush	6
xxv.	Lacquer and thinner	As Required
xxvi.	Safety Harness equipment's with descent control	2
xvii.	Calibrated Pressure Gauge (0-6 Bar)	6
xix.	HDD Machine with all accessories, Mud Tank trolley, Tractor, Consumables etc.	Capacity and qty. of machine as per requirement



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Notes:

1. Any other equipment required for completion of pipeline laying work but not specifically mentioned hereinabove, shall be deployed by contractor without any additional cost to Owner. Contractor shall deploy above mentioned equipments in good working condition.
 2. Mobilization shall be considered complete only after equipments having quantity specifically mentioned hereinabove (in the min. qty. to be deployed column), are made available at site in good working condition as verified by EIC.
- *) Number of equipment indicated hereinabove is a minimum requirement, however for completion of job, if additional equipment is required, same shall be deployed by the contractor at site without any additional cost to Owner.**

(SIGNATURE OF BIDDER)



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**SECTION- 08
SCHEDULE OF RATES**



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**SCHEDULE OF RATES
PART-A HYDERABAD NORTH GA**

PART A-NORTH GA

BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES

SUB: LAST MILE CONNECTIVITY WORKS IN HYDERABAD GA

TENDER NO: BGL/747/2026-27

NAME OF THE BIDDER

ITEM NO.	ACTIVITY	UNIT	QTY	UNIT RATE ALL INCLUSI VE EXCEPT GST (Rs.)	TOTAL AMOUNT ALL INCLUSIVE EXCEPT GST (Rs.)
(A)	(B)	(C)		(E)	(F= D*E)
1.0	Supply and Installation, Testing and Commissioning of GI Threaded Pipes as per IS-1239 (C-Class/ Heavy) for PNG connection with all the required fittings.				
	Supplying and installation, Testing and commissioning of heavy duty GI pipes (as per IS:1239) right from Transition Fitting to till appliance valve with Riser Isolation Valve of approved make at all floors , along with all required fittings such as Lateral control valve, Meter isolation valve & Appliance valve, sockets, elbow, tee, reducer, bend, union, GI plug, endcap etc., fixed vertically as well as horizontally for providing PNG connection to house hold in various type of Buildings including Highrise buildings. Item includes pneumatic testing of the assembled section as per the specification and standard procedure of testing & gas commissioning of the complete installation, making required arrangement for fixing of the pipes such as scaffolding, rope ladder, safety belt with Kevlar rope etc., supply and fixing of approved clamp, screw (SS screw of approved make), dowel plugs, supports with rods, fastners etc. If required, making holes by core cutting etc and making good to the holes with matching colour/shade also included. All threading shall be NPT threading with NPT Die & Tools (Dai). All GI pipe fittings and clamps shall be powder coated of approved colour and shade.1 year of warranty period should be given for the				

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	installed pipe. Leakages or any damages to the installed property will come under contractors scope. and the supplied pipe should be with proper painting and in good standard as per the T4s guidelines and as per EIC requirement.				
	Finalisation of optimum route with consent of customer, from transition fitting to cooking oven/appliance.				
	Making temporary but stable platforms/scaffolding/rope ladders and all other safety devices.				
	Installation of GI Pipes, Fittings, Valves, warning plate including NPT threading, painting as specified (installation of meters & regulators forms a separate SOR item).				
	Drillings of holes through walls (Brick, RCC), Granite, Marble, Glass Cutting with proper heavy duty hammer drill machine tools and tackle, using proper sealant/grout of materialized colors to match the original replacement of damages during drilling, restoring the area to original condition.				
	Supply & Fixing of approved clamps, Dowell Plugs with screws, grout material, suitable thread sealant i.e. Teflon Tape/lock tight, drilling of holes through tiles/wood/marble/granite etc.				
	Touch up Painting of pipe wherever required on pipes & fittings after proper surface finish by one coat of approved primer paint and two coats of approved synthetic enamel paint complete as per specification & direction of EIC. Restoring the wall surface to original condition.				
	All above activities are to be carried out as per specification to the complete satisfaction of consumer & as desired by Engineer-in-charge.				
	Submission of all documents like Test Certificates of GI Pipes and fittings etc, Job cards, Testing reports, Ring diagram in Auto CAD & in A4 commissioning reports etc as per the Engineer Incharge Requirements				
	Handing over the completed works to Client for operation/use, reconciliation of material area wise.				
	Any other activity not mentioned/covered, explicitly above, but otherwise required for satisfactory completion/safety/statutory/maintenance of works shall also be covered under scope of work and has to be completed by contractor within specified schedule.				
1.1	Installation/Laying of 1/2 " GI Pipe- All Floors B13B11:B19B11: B18B11:B17B11:B16B11:B14	Meters	1200 0		-
1.2	Installation/Laying of 3/4 " GI Pipe- All Floors	Meters	2800		-

1.3	Installation/Laying of 1 " GI Pipe- All Floors	Meter s	80		-
2.0	Supply and Installation, Testing and Commissioning of GI/CS Welded Pipes as per IS-1239 (C-Class/ Heavy) for PNG connection.				
	Supply and Installation of GI/CS pipes along with supports:				
	Supply and installation, Testing and Commissioning of CS pipes/Heavy Class GI Pipes along with supply and installation of all required fittings, fabrication, welding, Installation of pipe along with all fittings, Isolation valves etc. in basements, tunnels and various floors vertically/horizontally for providing PNG connection in various type of Buildings including Highrise buildings. The installation of pipes shall be by taking support from wall or ceiling by providing U-Clamps/Hangers/structural supports and fixing with Fastners/anchor bolts of required Nos and size etc. Supply of all types of supports and clamps are in the scope of the contractor. For GI items, proper scrubbing to be done to remove the GI coating for 75 mm length prior to take up the welding. The item includes requisite scaffolding/working arrangements at height along with all necessary safety arrangements as per the requirement at site/instruction of EIC.1 year of warranty period should be given for the installed pipe.Lekages or any damages to the installed property will comes under contractors scope. and the supplied pipe should be with proper painting and in good standard as per the T4s guidelines and as per EIC requirement.				
	Finalisation of optimum route with consent of customer, Making temporary but stable platforms/scaffolding/rope ladders and all other safety devices.				
	Installation of Welded Fittings like Tee, coupler, end plug etc and Welded Isolation valves.Isolation valves should provide at the each block and also on other areas like after transition fitting and 2-3 portions in Ring-main.				
	Drillings of holes through walls (Brick, RCC), Granite, Marble, Glass Cutting with proper heavy duty hammer drill machine tools and tackle, using proper sealant/grout of materialized colors to match the original replacement of damages during drilling, restoring the area to original condition.				
	Touch up Painting of pipe wherever required on pipes & fittings after proper surface finish by one coat of approved primer paint and two coats of approved synthetic enamel paint complete as				

	per specification & direction of EIC. Restoring the wall surface to original condition.				
	All above activities are to be carried out as per specification to the complete satisfaction of consumer & as desired by Engineer-in-charge.				
	Submission of all documents like Test Certificates of GI Pipes and fittings etc, Job cards, Testing reports, commissioning reports etc as per the Engineer Incharge Requirements				
	Handing over the completed works to Client for operation/use, reconciliation of material area wise.				
	Any other activity not mentioned/covered, explicitly above, but otherwise required for satisfactory completion/safety/statutory/maintenance of works shall also be covered under scope of work and has to be completed by contractor within specified schedule.				
2.1	Installation/Laying of 1 " GI Pipe- All Floors	Meter s	4800		-
2.2	Installation/Laying of 1 1/2 " GI Pipe- All Floors	Meter s	2800		-
2.3	Installation/Laying of 2 " GI Pipe- All Floors	Meter s	400		-
3.0	Fixing of DOMESTIC METER at all floors with supply & fixing of associated inlet and outlet connections/ Brass fittings, brackets, fasteners and other supports with grouting as required, by using proper scaffolding.Only DOMESTIC METER is a free issue material. The brass fittings shall be used for connecting meter outlet.Installation of any type of meter that includes Prepaid, postpaid and anyother as per EIC requirement.	Nos	2560		-
a	Supply and installation of Appliance Valves of approved make as per the technical specification given in tender document and as directed by EIC.				
b	Installation and execution of PNG connection GI Tap-off (Lateral Isolation Valve) till Appliance valve with testing and commissioning.In kitchens, wherein immediate usage of gas is not intended, the appliance valves shall be sealed by placing a GI Endplug.				
C	Updating in BGL Billing software(pragyawere) in RFC Status.				

4.0	REGULATORS : Installation of all type of regulators at all floors of various capacity 2.5 to 6.5 SCMH with supply & fixing of associated inlet and outlet connections/fittings, brackets and other supports with grouting as required, by using proper scaffolding. Restoring the area to original condition complete as per specification. REGULATOR & ADAPTOR is a free issue material. Domestic regulators – 2.5 SCMH – 100 mbar to 21 mbar (Supply of regulator and adopter is free issue material). Domestic regulators – 2.5 and 6.5 SCMH regulators – Pressure 4 bar to 21 mbar (Only regulator is free issue material).	Nos	2560		-
5.0	Retesting, rectification of leakages, commissioning and painting (Whereever required) of already laid GI pipe (Threaded and welded) Natural gas pipeline upto 2 " without supply of fitting.	Meters	800		-
6.0	Online/Tap off (GI pipe) from existing riser (with/without tee/Isolation valve) applicable for High rise buildings. That includes supply and Installation of GI upto 5mtrs along with all the required fittings right from lateral appliance, Meter isolation valves to Appliance valve.	Nos	160		-
7.0	Supply and fixing Suraksha Rubber hose,conversion of burner LPG to PNG gas follows:				
7.1	Supply and fixing Suraksha Rubber hose,conversion of burner LPG to NG which includes supply of fastener & nozzles/jets and changing of the nozzles/jets and associated controls for domestic and imported appliances (per stove).MJC's to be updated in BGL Billing software(Pragyawere) against conversion Work shall be executed in complete as per direction of Engineer-in-Charge.	Nos	2560		-
8.0	Supply and installation of Isolation Ball Valves of approved make as per the technical specification given in the tender document and as directed by EIC.GI Valves IS 1239. In the installations for kitchens/laterals, wherein immediate usage of gas is not intended, the handle of isolation valves shall be sealed by placing a wire or plastic strip through the holes of the handle and wrapping it around the valve and then crimping with plastic seal head.				
	3/4 " Isolation Ball Valve	Nos	32		-
	1" Isolation Ball Valve	Nos	80		-

9.0	Supply and installation of CS Ball valves conforming Manufacturing std. - BS EN ISO 17292/ API 6D, 3 piece Floating Type, Full bore, Body - A105, Rating- 800#, Ends-SW ends, fire safe type (API 607) and in accordance with relevant specifications, datasheets, scope of work indicated in SC and as per instruction of EIC, complete as per contract.				
9.2	1.5"	Nos	8		-
9.3	2"	Nos	3		-
10.0	Installation of Service Regulators: Installation & fitting of service regulators of all sizes with associated inlet and outlet connection fittings with required supports. Restoring the area to original condition as per specification. Only SERVICE REGULATOR is given as free issue materials Regulator to be covered with boxes as per drawing and as per directions of EIC, including civil foundation, supports, fixtures, erection, grout etc. with proper grouting using proper scaffolding.				
10.1	Service Regulator(0.5-6bar to 100mbar)-From 10scmh to above	Nos	9		-
11.0	MDPE TO GI CONNECTIVITY FOR INDIVIDUAL HOUSES - FOR 20 mm & 32 mm upto 5 m laying length excluding asphalt road crossing width (For Service Lines)				
	Laying of MDPE Pipeline of sizes 20mm & 32 mm upto 5m length (excluding asphalt road crossing width from road edge to road edge covered separately under item 8 in case road crossing is required for connectivity) for MDPE pipeline connectivity between GI and MDPE piping. The following works are additionally included in the scope of this item:	Nos	16		-
	Excavation and making of two no of pits of required size and depth up to 1.5m (excavation for depth beyond 1.5m shall be paid extra over and above this item through separate SOR item no.14) in all kinds of soil, asphalt roads, concrete pavements, concrete and tiled floors, all kind of pathways etc. for making connection with the existing MDPE pipeline of sizes ranging from 125 mm NB and 32 mm NB laid by others at one end and supply & jointing TF at other end.				



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Trenching of the required width and depth in all kind of the surface and laying of PE pipes of size 20mm & 32mm for maximum length upto 5m for saddle/tee connection etc. with the existing PE pipeline and TF for GI pipe connectivity at the other end including crossing below the drains below the drain depth but not less than 1000 mm cover. Supply of TF is in the scope. Backfilling as per specification is to be done.				
Alternatively, as per site conditions, if drain crossing from below is not feasible the crossing through the drain can be carried out by supplying and providing GI sleeve (2" GI sleeve for 20 mm PE Pipe and for 32 mm PE Pipe) over the PE pipe and crossing the drain just below its top cover. In soil/all type of surfaces where cover is less than 600 mm, GI sleeve and if the cover is between 600–800 mm, PCC 1:2:4, width 150 mm concrete shall be provided. Drain dismantling required for laying the pipe across the drain including grouting of the GI sleeve is in the scope of this item.				
Flushing to be done and then Pneumatic testing at 6 Kg/cm ² or more upto 9 Kg/cm ² (as asked by BGL/LEPL) for four hours from Saddle tap off to Transition Fittings (TF) or from TF to PE pipe to tee joint excluding Tee as the case may be (In case of Tee, welded joints shall be golden supply).				
Supply and installation of 2.5 inch dia x 1000 mm length GI PIPE (Medium Class) for 20 NB MDPE pipe as TF Guard or 4 inch x 1000 mm length GI PIPE (Medium Class) for 32 NB MDPE pipe as TF Guard, 300–400 mm above ground level and 600 mm below ground level, filling the annular space inside the TF guard with sand and filling sand externally for the excavated width and depth around the PE pipe bend. Supply of sand is included in the scope.				
Restoration of the pits and all kind of dug-up surfaces (concrete/asphalted/tiled) up to restoration to the original condition.				
Note: Road crossing width is excluded in the 5 m laying length for the above item				

12	Laying of MDPE Pipeline of PE100 grade with SDR 11/SDR 17.6/ SDR 9 having different sizes by trenching in all kind of soil, in berms roads etc in Hyderabad Geographical Area (GA). The laying can be made by using mechanical excavator or manually/ moling/ any method depending upon the site condition. The minimum depth of trench cover shall be minimum 1000mm measured from top of the pipeline to top of natural ground level of at that location. Item also includes dewatering from the trench before/after laying of the pipes if required without creating any problems to the surrounding areas.				
	This SOR includes laying of pipeline by any approved method such as open cut, moling, or other suitable methods, and covers stringing, excavation, trenching, pipeline laying, complete restoration of all types of surfaces, proper barricading, and supply and laying of warning mat along the pipeline. The work shall be executed strictly as per the instructions and requirements of the EIC. The scope also includes installation of sleeves wherever required due to deviations or site conditions, and the sleeve material may be GI, MDPE, or any other approved material as applicable. Submission of AutoCAD drawings and all other required reports shall be carried out as per EIC requirements.				
	32/20mm PE-100 pipe	Mtrs	160		-
	63mm PE-100 Pipe	Mtrs	60		-
	90mm PE-100 Pipe	Mtrs	32		-
13	MDPE TO GI CONNECTIVITY FOR INDIVIDUAL HOUSES – Asphalt Road Crossing by using trenchless excavation/moling machine/HDD or manually (depending upon site condition).				
	Laying of MDPE Pipeline for asphalt road crossing over and above item 11 (crossing road width either by open trench method from road edge to road edge) or opposite road edge to be made for carrying out connectivity as per item 11. Restoration of the pit is included. Restoration of road will be paid separately by SOR item no. 11.	Meters	32		-
	20 mm/32 mm PE to GI pipe.				
14	Excavation of pit beyond 1.5mtrs to 3mtrs depth for the 11line item.	Cubm	2		-

15	Fabrication & Installation of Markers				
15.1	RCC Warning Markers				
	Supply, fabrication and installation of RCC Route markers as per the attached drawing and as per instructions of EIC along the route including transportation of markers, item also includes excavation of pit in all types of soil, Concrete Grouting of markers and removing of debris from site and restoration of work with all completeletness.	Nos	12		-
15.2	Warning Plate Markers				
	Supply, fabrication and installation of WARNING PLATE marker as per attached drg and specification of BGL requirement.Item inclues application of approved quality of primer and paint, colour, lettering with stencil and fixing on walls / any other support using Dowel pins etc.	Nos	240		-
16	Domestic Registration:				
	Collection of PNG Domestic Registartion form, KYC and POS/Cheque of Either Individual Customers or Builder segment customer for the ongoing BGL schemes as per BGL marketing Officers.Registrations to be taken only in Gasified areas.	Nos	2560		-
17	Civil Work				
17.1	Plain Cement Concrete				
	Supply and laying plain cement concrete with stone aggregate 20mm down grade(Including shuttering if required) in all types of concrete works including levelling courses beow foundations, columns, pedestals bases, pipe supports,floors, chambers, cable trench, under floors and any other locations at all levels and locations as per drawings, specifications and directions of the Engineer-in-Charge				
	1:2:4	M3	3.2		-
	1:4:8	M3	3.2		-



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17.2	Reinforced Cement Concrete				
	Providing and laying RCC(reinforced cement concrete) of grade M-25mm with 20mm and down grade crushed stone aggregate in all types of structures like Beams, foundations, walls, columns, pedestals, pedestal bases, pipe supports, sleepers, floors, chambers, cable trench, RCC retaining wall foundation for boundary wall including construction joints, shuttering at all depths and levels complete as per drawings, specifications and directions of the Engineer-in-charge.				
	Sub Structures	M3	0.8		-
	Super structures	M3	0.8		-
Total Amount (Rs.)					-
GST @ 18% (Rs.)					-
Grand Total Inclusive of GST (Rs.)					-



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**SCHEDULE OF RATES
PART-B HYDERABAD SOUTH GA**

PART B-SOUTH GA

BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES

SUB: LAST MILE CONNECTIVITY WORKS IN HYDERABAD GA

TENDER NO: BGL/747/2026-27

NAME OF THE BIDDER

ITEM NO.	ACTIVITY	UNIT	QTY	UNIT RATE ALL INCLUSI VE EXCEPT GST (Rs.)	TOTAL AMOUNT ALL INCLUSIVE EXCEPT GST (Rs.)
(A)	(B)	(C)	(D)	(E)	(F= D*E)
1.0	Supply and Installation, Testing and Commissioning of GI Threaded Pipes as per IS-1239 (C-Class/ Heavy) for PNG connection with all the required fittings.				
	Supplying and installation, Testing and commissioning of heavy duty GI pipes (as per IS:1239) right from Transition Fitting to till appliance valve with Riser Isolation Valve of approved make at all floors , along with all required fittings such as Lateral control valve, Meter isolation valve & Appliance valve, sockets, elbow, tee, reducer, bend, union, GI plug, endcap etc., fixed vertically as well as horizontally for providing PNG connection to house hold in various type of Buildings including Highrise buildings. Item includes pneumatic testing of the assembled section as per the specification and standard procedure of testing & gas commissioning of the complete installation, making required arrangement for fixing of the pipes such as scaffolding, rope ladder, safety belt with Kevlar rope etc., supply and fixing of approved clamp, screw (SS screw of approved make), dowel plugs, supports with rods, fastners etc. If required, making holes by core cutting etc and making good to the holes with matching colour/shade also included. All				
	threading shall be NPT threading with NPT Die & Tools (Dai). All GI pipe fittings and				



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clamps shall be powder coated of approved colour and shade. 1 year of warranty period should be given for the installed pipe. Leakages or any damages to the installed property will come under contractor's scope, and the supplied pipe should be with proper painting and in good standard as per the T4s guidelines and as per EIC requirement.

Finalisation of optimum route with consent of customer, from transition fitting to cooking oven/appliance.

Making temporary but stable platforms/scaffolding/rope ladders and all other safety devices.

Installation of GI Pipes, Fittings, Valves, warning plate including NPT threading, painting as specified (installation of meters & regulators forms a separate SOR item).

Drillings of holes through walls (Brick, RCC), Granite, Marble, Glass Cutting with proper heavy duty hammer drill machine tools and tackle, using proper sealant/grout of materialized colors to match the original replacement of damages during drilling, restoring the area to original condition.

Supply & Fixing of approved clamps, Dowell Plugs with screws, grout material, suitable thread sealant i.e. Teflon Tape/lock tight, drilling of holes through tiles/wood/marble/granite etc.

	Touch up Painting of pipe wherever required on pipes & fittings after proper surface finish by one coat of approved primer paint and two coats of approved synthetic enamel paint complete as per specification & direction of EIC. Restoring the wall surface to original condition.				
	All above activities are to be carried out as per specification to the complete satisfaction of consumer & as desired by Engineer-in-charge.				
	Submission of all documents like Test Certificates of GI Pipes and fittings etc, Job cards, Testing reports, Ring diagram in Auto CAD & in A4 commissioning reports etc as per the Engineer Incharge Requirements				
	Handing over the completed works to Client for operation/use, reconciliation of material area wise.				
	Any other activity not mentioned/covered, explicitly above, but otherwise required for satisfactory completion/safety/statutory/maintenance of works shall also be covered under scope of work and has to be completed by contractor within specified schedule.				
1.1	Installation/Laying of 1/2 " GI Pipe- All Floors B13B11:B19B11:B18B11:B17B11: B16B11:B14	Meters	12000.00		-
1.2	Installation/Laying of 3/4 " GI Pipe- All Floors	Meters	2800.00		-
1.3	Installation/Laying of 1 " GI Pipe- All Floors	Meters	80.00		-
2.0	Supply and Installation, Testing and Commissioning of GI/CS Welded Pipes as per IS-1239 (C-Class/ Heavy) for PNG connection.				
	Supply and Installation of GI/CS pipes along with supports:				
	Supply and installation, Testing and Commissioning of CS pipes/Heavy Class GI Pipes along with supply and installation of all required fittings, fabrication, welding,				
	Installation of pipe along with all fittings,				



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Isolation valves etc. in basements, tunnels and various floors vertically/horizontally for providing PNG connection in various type of Buildings including Highrise buildings. The installation of pipes shall be by taking support from wall or ceiling by providing U-Clamps/Hangers/structural supports and fixing with Fasteners/anchor bolts of required Nos and size etc. Supply of all types of supports and clamps are in the scope of the contractor. For GI items, proper scrubbing to be done to remove the GI coating for 75 mm length prior to take up the welding. The item includes requisite scaffolding/working arrangements at height along with all necessary safety arrangements as per the requirement at site/instruction of EIC. 1 year of warranty period should be given for the installed pipe. Leakages or any damages to the installed property will come under contractors scope. and the supplied pipe should be with proper painting and in good standard as per the T4s guidelines and as per EIC requirement.

Finalisation of optimum route with consent of customer, Making temporary but stable platforms/scaffolding/rope ladders and all other safety devices.

Installation of Welded Fittings like Tee, coupler, end plug etc and Welded Isolation valves. Isolation valves should provide at the each block and also on other areas like after transition fitting and 2-3 portions in Ring-main.

Drillings of holes through walls (Brick, RCC), Granite, Marble, Glass Cutting with proper heavy duty hammer drill machine tools and tackle, using proper sealant/grout of materialized colors to match the original replacement of damages during drilling, restoring the area to original condition.

	Touch up Painting of pipe wherever required on pipes & fittings after proper surface finish by one coat of approved primer paint and two coats of approved synthetic enamel paint complete as per specification & direction of EIC. Restoring the wall surface to original condition.				
	All above activities are to be carried out as per specification to the complete satisfaction of consumer & as desired by Engineer-in-charge.				
	Submission of all documents like Test Certificates of GI Pipes and fittings etc, Job cards, Testing reports, commissioning reports etc as per the Engineer Incharge Requirements				
	Handing over the completed works to Client for operation/use, reconciliation of material area wise.				
	Any other activity not mentioned/covered, explicitly above, but otherwise required for satisfactory completion/safety/statutory/maintenance of works shall also be covered under scope of work and has to be completed by contractor within specified schedule.				
2.1	Installation/Laying of 1 " GI Pipe- All Floors	Meters	4800.00		-
2.2	Installation/Laying of 1 1/2 " GI Pipe- All Floors	Meters	2800.00		-
2.3	Installation/Laying of 2 " GI Pipe- All Floors	Meters	400.00		-
3.0	Fixing of DOMESTIC METER at all floors with supply & fixing of associated inlet and outlet connections/ Brass fittings, brackets, fasteners and other supports with grouting as required, by using proper scaffolding. Only DOMESTIC METER is a free issue material. The brass fittings shall be used for connecting meter outlet. Installation of any type of meter that includes Prepaid, postpaid and any other as per EIC requirement.	Nos	2560.00		-
a	Supply and installation of Appliance Valves of approved make as per the				

	technical specification given in tender document and as directed by EIC.				
b	Installation and execution of PNG connection GI Tap-off (Lateral Isolation Valve) till Appliance valve with testing and commissioning. In kitchens, wherein immediate usage of gas is not intended, the appliance valves shall be sealed by placing a GI Endplug.				
C	Updating in BGL Billing software (pragyawere) in RFC Status.				
4.0	REGULATORS : Installation of all type of regulators at all floors of various capacity 2.5 to 6.5 SCMH with supply & fixing of associated inlet and outlet connections/fittings, brackets and other supports with grouting as required, by using proper scaffolding. Restoring the area to original condition complete as per specification. REGULATOR & ADAPTOR is a free issue material. Domestic regulators – 2.5 SCMH – 100 mbar to 21 mbar (Supply of regulator and adopter is free issue material). Domestic regulators – 2.5 and 6.5 SCMH regulators – Pressure 4 bar to 21 mbar (Only regulator is free issue material).	Nos	2560.00		-
5.0	Retesting, rectification of leakages, commissioning and painting (Wherever required) of already laid GI pipe (Threaded and welded) Natural gas pipeline upto 2 " without supply of fitting.	Meters	800.00		-
6.0	Online/Tap off (GI pipe) from existing riser (with/without tee/Isolation valve) applicable for High rise buildings. That includes supply and Installation of GI upto 5mtrs along with all the required fittings right from lateral appliance, Meter isolation valves to Appliance valve.	Nos	160.00		-
7.0	Supply and fixing Suraksha Rubber hose, conversion of burner LPG to PNG gas follows:				

7.1	Supply and fixing Suraksha Rubber hose, conversion of burner LPG to NG which includes supply of fastener & nozzles/jets and changing of the nozzles/jets and associated controls for domestic and imported appliances (per stove). MJC's to be updated in BGL Billing software (Pragyawere) against conversion Work shall be executed in complete as per direction of Engineer-in-Charge.	Nos	2560.00		-
8.0	Supply and installation of Isolation Ball Valves of approved make as per the technical specification given in the tender document and as directed by EIC. GI Valves IS 1239. In the installations for kitchens/laterals, wherein immediate usage of gas is not intended, the handle of isolation valves shall be sealed by placing a wire or plastic strip through the holes of the handle and wrapping it around the valve and then crimping with plastic seal head.				
	3/4 " Isolation Ball Valve	Nos	32.00		-
	1" Isolation Ball Valve	Nos	80.00		-
9.0	Supply and installation of CS Ball valves conforming Manufacturing std. - BS EN ISO 17292/ API 6D, 3 piece Floating Type, Full bore, Body - A105, Rating- 800#, Ends-SW ends, fire safe type (API 607) and in accordance with relevant specifications, datasheets, scope of work indicated in SC and as per instruction of EIC, complete as per contract.				
9.2	1.5"	Nos	8.00		-
9.3	2"	Nos	3.00		-



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10.0	Installation of Service Regulators: Installation & fitting of service regulators of all sizes with associated inlet and outlet connection fittings with required supports. Restoring the area to original condition as per specification. Only SERVICE REGULATOR is given as free issue materials Regulator to be covered with boxes as per drawing and as per directions of EIC, including civil foundation, supports, fixtures, erection, grout etc. with proper grouting using proper scaffolding.				
10.1	Service Regulator(0.5-6bar to 100mbar)- From 10scmh to above	Nos	9.00		-
11.0	MDPE TO GI CONNECTIVITY FOR INDIVIDUAL HOUSES - FOR 20 mm & 32 mm upto 5 m laying length excluding asphalt road crossing width (For Service Lines)				
	Laying of MDPE Pipeline of sizes 20mm & 32 mm upto 5m length (excluding asphalt road crossing width from road edge to road edge covered separately under item 8 in case road crossing is required for connectivity) for MDPE pipeline connectivity between GI and MDPE piping. The following works are additionally included in the scope of this item:	Nos	16.00		-
	Excavation and making of two no of pits of required size and depth up to 1.5m (excavation for depth beyond 1.5m shall be paid extra over and above this item through separate SOR item no.14) in all kinds of soil, asphalt roads, concrete pavements, concrete and tiled floors, all kind of pathways etc. for making connection with the existing MDPE pipeline of sizes ranging from 125 mm NB and 32 mm NB laid by others at one end and supply & jointing TF at other end.				
	Trenching of the required width and depth in all kind of the surface and laying of PE pipes of size 20mm & 32mm for maximum length upto 5m for saddle/tee connection etc. with the existing PE pipeline and TF for GI pipe connectivity at the other end including crossing below the drains below the drain				



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	depth but not less than 1000 mm cover. Supply of TF is in the scope. Backfilling as per specification is to be done.				
	Alternatively, as per site conditions, if drain crossing from below is not feasible the crossing through the drain can be carried out by supplying and providing GI sleeve (2" GI sleeve for 20 mm PE Pipe and for 32 mm PE Pipe) over the PE pipe and crossing the drain just below its top cover. In soil/all type of surfaces where cover is less than 600 mm, GI sleeve and if the cover is between 600–800 mm, PCC 1:2:4, width 150 mm concrete shall be provided. Drain dismantling required for laying the pipe across the drain including grouting of the GI sleeve is in the scope of this item.				
	Flushing to be done and then Pneumatic testing at 6 Kg/cm ² or more upto 9 Kg/cm ² (as asked by BGL/LEPL) for four hours from Saddle tap off to Transition Fittings (TF) or from TF to PE pipe to tee joint excluding Tee as the case may be (In case of Tee, welded joints shall be golden supply).				
	Supply and installation of 2.5 inch dia x 1000 mm length GI PIPE (Medium Class) for 20 NB MDPE pipe as TF Guard or 4 inch x 1000 mm length GI PIPE (Medium Class) for 32 NB MDPE pipe as TF Guard, 300–400 mm above ground level and 600 mm below ground level, filling the annular space inside the TF guard with sand and filling sand externally for the excavated width and depth around the PE pipe bend. Supply of sand is included in the scope.				
	Restoration of the pits and all kind of dug-up surfaces (concrete/asphalted/tiled) up to restoration to the original condition.				
	Note: Road crossing width is excluded in the 5 m laying length for the above item				



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12	Laying of MDPE Pipeline of PE100 grade with SDR 11/SDR 17.6/ SDR 9 having different sizes by trenching in all kind of soil, in berms roads etc in Hyderabad Geographical Area (GA). The laying can be made by using mechanical excavator or manually/ moling/ any method depending upon the site condition. The minimum depth of trench cover shall be minimum 1000mm measured from top of the pipeline to top of natural ground level of at that location. Item also includes dewatering from the trench before/after laying of the pipes if required without creating any problems to the surrounding areas.				
	This SOR includes laying of pipeline by any approved method such as open cut, moling, or other suitable methods, and covers stringing, excavation, trenching, pipeline laying, complete restoration of all types of surfaces, proper barricading, and supply and laying of warning mat along the pipeline. The work shall be executed strictly as per the instructions and requirements of the EIC. The scope also includes installation of sleeves wherever required due to deviations or site conditions, and the sleeve material may be GI, MDPE, or any other approved material as applicable. Submission of AutoCAD drawings and all other required reports shall be carried out as per EIC requirements.				
	32/20mm PE-100 pipe	Mtrs	160.00		-
	63mm PE-100 Pipe	Mtrs	60.00		-
	90mm PE-100 Pipe	Mtrs	32.00		-
13	MDPE TO GI CONNECTIVITY FOR INDIVIDUAL HOUSES – Asphalt Road Crossing by using trenchless excavation/moling machine/HDD or manually (depending upon site condition).				

	Laying of MDPE Pipeline for asphalt road crossing over and above item 11 (crossing road width either by open trench method from road edge to road edge) or opposite road edge to be made for carrying out connectivity as per item 11. Restoration of the pit is included. Restoration of road will be paid separately by SOR item no. 11.	Meters	32.00		-
	20 mm/32 mm PE to GI pipe.				
14	Excavation of pit beyond 1.5mtrs to 3mtrs depth for the 11line item.	Cub m	2.00		-
15	Fabrication & Installation of Markers				
15.1	RCC Warning Markers				
	Supply, fabrication and installation of RCC Route markers as per the attached drawing and as per instructions of EIC along the route including transportation of markers, item also includes excavation of pit in all types of soil, Concrete Grouting of markers and removing of debris from site and restoration of work with all completeness.	Nos	12.00		-
15.2	Warning Plate Markers				
	Supply, fabrication and installation of WARNING PLATE marker as per attached drawing and specification of BGL requirement. Item includes application of approved quality of primer and paint, colour, lettering with stencil and fixing on walls / any other support using Dowel pins etc.	Nos	240.00		-
16	Domestic Registration:				
	Collection of PNG Domestic Registration form, KYC and POS/Cheque of Either Individual Customers or Builder segment customer for the ongoing BGL schemes as per BGL marketing Officers. Registrations to be taken only in Gasified areas.	Nos	2560.00		-
17	Civil Work				
17.1	Plain Cement Concrete				
	Supply and laying plain cement concrete with stone aggregate 20mm down grade (Including shuttering if required) in all types of concrete works including levelling courses below foundations, columns, pedestals bases, pipe supports, floors, chambers, cable trench, under floors and any other locations at all levels and				

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	locations as per drawings, specifications and directions of the Engineer-in-Charge				
	1:2:4	M3	3.20		-
	1:4:8	M3	3.20		-
17.2	Reinforced Cement Concrete				
	Providing and laying RCC(reinforced cement concrete) of grade M-25mm with 20mm and down grade crushed stone aggregate in all types of structures like Beams, foundations, walls, columns, pedestals, pedestal bases, pipe supports, sleepers, floors, chambers, cable trench, RCC retaining wall foundation for boundary wall including construction joints, shuttering at all depths and levels complete as per drawings, specifications and directions of the Engineer-in-charge.				
	Sub Structures	M3	0.80		-
	Super structures	M3	0.80		-
Total Amount (Rs.)					-
GST @ 18% (Rs.)					-
Grand Total Inclusive of GST (Rs.)					-