



**STEEL PIPELINE WORKS AT BPCL RO CHENNUPATI
FILLING STATION, MG ROAD VIJAYAWADA
Bid Document No. BGL/666/2025-26**

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

BID DOCUMENT FOR
**STEEL PIPELINE WORKS AT BPCL RO CHENNUPATI VINAY FILLING STATION, MG
ROAD VIJAYAWADA**

e-TENDER

**UNDER OPEN DOMESTIC
COMPETITIVE BIDDING**

Bid Document No.: BGL/666/2025-26

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**SECTION – 7
SCOPE OF WORK &
SPECIAL CONDITIONS OF CONTRACT**



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SECTION 7 : SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT

1.0 INTRODUCTION

The project is to provide CNG (Compressed Natural Gas) as fuel to commercial & private vehicles through filling stations and PNG (piped Natural Gas) to the Industrial, household, and commercial sectors.

2.0 SCOPE OF WORK

The Laying of a 4" buried 3 layered PE Coated steel pipeline and above ground station piping works are to be carried out at M/s Chennupati Vinay Filling station, MG road, the existing pipeline outside of Filling station, which shall increase our potential to provide gas supply to one of the busiest routes with lots of new fronts. This will also help BGL to improve the plan utilization and further revenue generation in this process.

Generally, the following shall constitute the Contractor's scope of work :

- 2.1 Plan and prepare a schedule for execution and work implementation as per QA/QC plans, approved by BGL / PMC. The contractor has to submit the Construction/ Execution procedures before the commencement of work.
- 2.2 Assist in obtaining permissions from land-owning agencies for road cutting for laying of pipelines. Liaising with concerned authorities during the execution of the job.
- 2.3 Prior to the start of Construction activities, the Contractor shall carry out an area survey and prepare drawings for the proposed gas pipeline laying and submit them for approval.
- 2.4 Receipt of free issue items from BGL's designated stores, loading, transportation unloading at Contractor's stores near project sites.
- 2.5 Proper storing, stacking, identification, providing security, and insurance, during storage, laying, and up to handing over of pipelines.
- 2.6 Making trial pits to determine the underground utilities /services, such as existing pipelines, Cables (Electrical/Communication), Conduits, U/G drainage, Sewers, tunnels, Subways, foundations, etc, and deciding optimum routes and depths for laying the pipelines based on the route plans provided in the tender.
- 2.7 Obtaining approval for the optimum route and ROU from the concerned authority and EIC. Grading the ROU as per the requirement for proper movement of workmen, equipment, and QA/QC personnel.
- 2.8 Wherever required, the grass/ turfing, pavement, linings, drains, roads, and other such "pucca" areas shall be locally removed to facilitate trenching and pipe laying works. The same is to be reinstated as the original.



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- 2.9 Supply & Installation of Safety/ Warning Signs, barricading of the entire route to be trenched. Pits are to be similarly barricaded along the warning sign.
- 2.10 To make trenches with stable slopes but restricting minimum disturbance to above-ground/underground services/installation as per specifications and approved route plans; keep the trenches free from water and soil till placement of pipes.
- 2.11 All fabrication works using all the required fittings like Bends, Elbows, reducers , WNRF, weldolets, and sockolets and laying/erection, painting, testing of pipes, flanges and fittings, insulation Joints, and making ready for further Commissioning / Start-up of carbon steel piping of all sizes and ratings including supply of all consumables, equipment, manpower, and other resources and execution of the following works in accordance with relevant specifications & scope of work, drawings, specification
- 2.12 Backfilling and compaction by jumping jack compactor using approved “good” soil or using excavated earth or borrow earth as per requirement and specification, and replacement of tiles, slabs removed during the excavation. Cleaning all unserviceable material, debris, excess earth near trenches etc, to the designated disposal area.
- 2.13 Fabrication and installation of pipeline supports using channels as required by the site conditions
- 2.14 Carrying out post-hydro testing as per specifications and approved procedures; providing all tools, tackles, instruments, manpower, and other related accessories for carrying out the testing of pipes.
- 2.15 Swabbing, drying, purging with nitrogen of the complete pipeline network and the associated facilities, carrying out pre-commissioning works, and providing assistance during the complete duration of commissioning.
- 2.16 Restoration of existing ground features such as grass/ turfing, paving, roads, drains, concrete, floral beds, fencing, tiles, flooring masonry etc. to original condition and to match with adjoining conditions- functionally and aesthetically up to the entire satisfaction of BGL / PMC any other third party agency designated by PURCHASER and local authorities, failing which, it will be done at the risk and cost of the contractor. Obtaining satisfactory completion certificates for the restoration work done from the concerned authorities.
- 2.17 Returning surplus material to BGL stores, reconciliation of free issue material/ consumables if supplied by BGL, and obtaining “no objection certificates”
- 2.18 Handing over the completed works to BGL / PMC for their operation/use purposes.
- 2.19 Maintaining the completed pipelines/installation for any defect, failures during the defect liability period.
- 2.20 Preparation and submission of As-built drawings, details of crossings, utility graphs, measurement sheets, and deviation statements on completion/commissioning of work by way of drawings, sketches, and tables.



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- 2.21 Any other activity(ies) not mentioned/ covered explicitly above, but otherwise required for satisfactory completion/operation/ safety/statutory/maintenance of the works shall also be covered under the Scope of work and have to be completed by the Contractor within the specified schedule at no extra cost to BGL /PMC

3.0 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.

4.0 General Guidelines During and Before Erection

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/ equipments are kept open.

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.

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

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.

5.0 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.



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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.

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.

CONTRACTOR shall adhere to safe construction practice and guard against hazardous, and unsafe working conditions and shall comply with EMPLOYER's safety rules as set forth herein. Prior to start of construction, CONTRACTOR will be furnished copies of EMPLOYER's "Safety Code" for information and guidance, if it has been prepared.

6.0 Safety regulations:

- i) In respect of all labour, directly employed in the WORK for the performance of CONTRACTOR's part of this agreement, the CONTRACTOR shall at his own expense arrange for all the safety provisions as per safety codes of C.P.W.D., Indian Standards Institution. The Electricity Act, The Mines Act and such other acts as applicable.
- ii) The CONTRACTOR shall observe and abide by all fire and safety regulations of the EMPLOYER. Before starting construction work CONTRACTOR shall consult with EMPLOYER's safety Engineers or ENGINEER- IN-CHARGE and must make good to the satisfaction of the EMPLOYER any loss or damage due to fire to any portion of the work done or to be done under this agreement or to any of the EMPLOYER's existing property.



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First aid and industrial injuries:

- i) CONTRACTOR shall maintain first aid facilities for its employees and those of its SUB-CONTRACTOR.
- ii) CONTRACTOR shall make outside arrangements for ambulance service and for the treatment of industrial injuries. Names of those providing these services shall be furnished to EMPLOYER prior to start of construction and their telephone numbers shall be prominently posted in CONTRACTOR's field office.
- iii) All critical industrial injuries shall be reported promptly to EMPLOYER, and a copy of CONTRACTOR's report covering each personal injury requiring the attention of a physician shall be furnished to the EMPLOYER.

7.0 General rules:

Smoking within the battery area, tank farm or dock limits is strictly prohibited. Violators of the no smoking rules shall be discharged immediately.

Contractor's barricades:

- i) CONTRACTOR shall erect and maintain barricades required in connection with his operation to guard or protect:-
 - a) Excavations
 - b) Hoisting Areas.
 - c) Areas adjudged hazardous by CONTRACTOR's or EMPLOYER's inspectors.
 - d) EMPLOYER's existing property subject to damage by CONTRACTOR's Operations.
 - e) Rail Road unloading spots.
- ii) CONTRACTOR's employees and those of his SUB- CONTRACTOR's shall become acquainted with EMPLOYER's barricading practice and shall respect the provisions thereof.
- iii) Barricades and hazardous areas adjacent to, but not located in normal routes of travel shall be marked by red flasher lanterns at nights.

8.0 Scaffolding:

- i) Suitable scaffolding should be provided for workmen for all works that cannot safely be done from the ground or from solid construction except such short period work as can be done safely from ladders. When a ladder is used an extra Mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying material as well, suitable footholds and handholds shall be provided on the ladder and the ladder shall be given an inclination not steeper than 1 in 4 (1 horizontal and 4 vertical).
- ii) Scaffolding or staging more than 4 metres above the ground or floor, swing suspended from an overhead support or erected with stationary support shall have a guard rail properly attached, bolted, braced and otherwise retarded at least one metre high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
- iii) Working platform, gangway and stairway should be so constructed that they should not sag unduly or unequally and if the height of platform of the gangway or the stairway is more than 4 metres above the ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as in ii) above.
- iv) Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing of railing whose minimum heights shall be 1 metre.
- v) platforms and other working places, every ladder shall be securely fixed. No portable single ladder shall be over 9 metres in length while the width between side rails in rung ladder shall in no case be less than



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30 cms for ladder upto and including 3 metres in length. For longer ladder this width should be increased 5mm for each additional foot of length. Uniform steps spacing shall not exceed 30 cms. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed to cause danger or inconvenience to any person or public. The CONTRACTOR shall also provide all necessary fencing and lights to protect the workers and staff from accidents, and shall be bound to bear the expenses of defense of every suit, action or other proceeding of law that may be brought by any person for injury sustained owing to neglect of the above precautions and pay any damages and costs which may be awarded in any such suit or action or proceeding to any such person or which may with the consent of the CONTRACTOR be paid to compromise any claim by any such person.

9.0 Excavation and trenching:

All trenches 1.2 metres or more in depth, shall at all times be supplied with at least one ladder for each 50 metres length or fraction thereof. Ladder shall be extended from bottom of the trenches to atleast 1 metre above the surface of the ground. The sides of the trenches which are 1.5M in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides to collapse. The excavated materials shall not be placed within 1.5 metres of the edge of the trench or half of the trench width whichever is more. Cutting shall be done from top to bottom. Under no circumstances undermining or under-cutting shall be done.

10.0 Demolition/general safety:

- i) Before any demolition work is commenced and also during the progress of the demolition work
 - a) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
 - b) No electric cable or apparatus which is liable to be a source of danger shall remain electrically charged.
 - c) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
- ii) All necessary personal safety equipment as considered adequate by the ENGINEER-IN-CHARGE, should be kept available for the use of the persons employed on the SITE and maintained in condition suitable for immediate use, and the CONTRACTOR shall take adequate steps to ensure proper use of equipment by those concerned.
 - a) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective gloves.
 - b) Those engaged in white washing and mixing or stacking or cement bags or any material which are injurious to the eyes be provided with protective goggles.
 - c) Those engaged in welding and cutting works shall be provided with protective face & eye shield, hand gloves, etc.
 - d) Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.



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- e) When workers are employed in sewers and manholes, which are in use, the CONTRACTOR shall ensure that the manhole covers are opened and are ventilated atleast for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or board to prevent accident to the public.
- f) The CONTRACTOR shall not employ men below the age of 18 years and women on the work of painting with products containing lead in any form. Wherever men above the age of 18 years are employed on the work of lead painting, the following precautions should be taken.
 - 1) No paint containing lead or lead product shall be used except in the form of paste or readymade paint.
 - 2) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scrapped.
 - 3) Overalls shall be supplied by the CONTRACTOR to the workmen and adequate facilities shall be provided to enable the working painters to wash them during and on cessation of work.
 - iii) When the work is done near any place where there is risk of drowning, all necessary safety equipment should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.
 - iv) Use of hoisting machines and tackles including their attachments, anchorage and supports shall conform to the following standards or conditions:
 - a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defect and shall be kept in good working order.
 - b) Every rope used in hoisting or lowering materials or as means of suspension shall be of durable quality and adequate strength and free from patent defects.
 - c) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding, winch or give signals to the operator.
 - d) In case of every hoisting machine and of every chain ring hook, shackle, swivel, and pulley block used in hoisting or lowering or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gears referred to above shall be plainly marked with the safe working load of the conditions under which it is applicable and the same shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond safe working load except for the purpose of testing.
 - d) In case of departmental machine, the safe working load shall be notified by the ENGINEER-IN-CHARGE. As regards CONTRACTOR's machines, the CONTRACTOR shall notify the safe working load of the machine to the ENGINEER-IN-CHARGE whenever he brings any machinery to SITE of WORK and get it verified by the Engineer concerned.



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v) Motors, gears, transmission lines, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as to reduce to minimum the accidental descent of the load, adequate precautions should be taken to reduce the minimum risk of any part or parts of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energised, insulating mats, wearing apparel, such as gloves, sleeves, and boots as may be necessary should be provided. The workers shall not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

vi) All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe conditions and no scaffolds, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.

vii) These safety provisions should be brought to the notice of all concerned by displaying on a notice board at a prominent place at the work-spot. The person responsible for compliance of the safety code shall be named therein by the CONTRACTOR.

viii) To ensure effective enforcement of the rules and regulations relating to safety precautions, the arrangements made by the CONTRACTOR shall be open to inspection by the Welfare Officer, ENGINEER-IN- CHARGE or safety Engineer of the Administration or their representatives.

ix) Notwithstanding the above clauses there is nothing in these to exempt the CONTRACTOR for the operations of any other Act or rules in force in the Republic of India. The work throughout including any temporary works shall be carried out in such a manner as not to interfere in any way whatsoever with the traffic on any roads or footpath at the site or in the vicinity thereto or any existing works whether the property of the Administration or of a third party.

In addition to the above, the CONTRACTOR shall abide by the safety code provision as per C.P.W.D. Safety code and Indian Standard Safety Code from time to time.

11.0 Care in handling inflammable gas:

The CONTRACTOR has to ensure all precautionary measures and exercise utmost care in handling the inflammable gas cylinder/inflammable liquids/paints etc. as required under the law and/or as advised by the fire Authorities of the EMPLOYER.

Temporary combustible structures:

Temporary combustible structures will not be built near or around work site.

Precautions against fire:

The CONTRACTOR will have to provide Fire Extinguishers, Fire Buckets and drums at worksite as recommended by ENGINEER-IN-CHARGE. They will have to ensure all precautionary measures and exercise utmost care in handling the inflammable gas cylinders/ inflammable liquid/ paints etc. as advised by ENGINEER-IN-CHARGE. Temporary combustible structures will not be built near or around the work-site.

Explosives:

Explosives shall not be stored or used on the WORK or on the SITE by the CONTRACTOR without the permission of the ENGINEER-IN-CHARGE in writing and then only in the manner and to the extent to which such permission is given. When explosives are required for the WORK they will be stored in a special magazine to be provided at the cost of the CONTRACTOR in accordance with the Explosives Rules. The CONTRACTOR shall obtain the necessary licence for the storage and the use of explosives and all operations in which or for which explosives are employed shall be at sole risk and responsibility



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of the CONTRACTOR and the CONTRACTOR shall indemnify the EMPLOYER against any loss or damage resulting directly or indirectly therefrom.

Preservation of place:

The CONTRACTOR shall take requisite precautions and use his best endeavours to prevent any riotous or unlawful behaviour by or amongst his worker and others employed on the works and for the preservation of peace and protection of the inhabitants and security of property in the neighborhood of the WORK. In the event of the EMPLOYER requiring the maintenance of a Special Police Force at or in the vicinity of the site during the tenure of works, the expenses thereof shall be borne by the CONTRACTOR and if paid by the EMPLOYER shall be recoverable from the CONTRACTOR.

The CONTRACTOR agrees to and does hereby accept full and exclusive liability for the payment of any and all Taxes, Duties, including Excise duty, octroi etc. now or hereafter imposed, increased, modified, all the sales taxes, duties, octrois 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 of all SUB-CONTRACTORS, with all applicable Central, State, Municipal and local law and regulation and requirement of any Central, State or local Government (S i g n & S t a m p)

agency or authority. CONTRACTOR further agrees to defend, indemnify and hold EMPLOYER harmless from any liability or penalty which may be imposed by the Central, State or Local authorities by reason or any violation by CONTRACTOR or SUB-CONTRACTOR of such laws, suits or proceedings that may be brought against the EMPLOYER 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.

Tax deductions will be made as per the rules and regulations in force in accordance with acts prevailing from time to time.

12.0 Labour laws:

- i) No labour below the age of 18 (eighteen) years shall be employed on the WORK.
- ii) The CONTRACTOR shall not pay less than what is provided under law to labourers engaged by him on the WORK.
- iii) The CONTRACTOR shall at his expense comply with all labour laws and keep the EMPLOYER indemnified in respect thereof.
- iv) The CONTRACTOR shall pay equal wages for men and women in accordance with applicable labour laws.
- v) If the CONTRACTOR is covered under the Contract labour (Regulation and Abolition) Act, he shall obtain a licence from licensing authority (i.e. office of the labour commissioner) by payment of necessary prescribed fee and the deposit, if any, before starting the WORK under the CONTRACT. Such fee/deposit shall be borne by the CONTRACTOR.



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- vi) The CONTRACTOR shall employ labour in sufficient numbers either directly or through SUB-CONTRACTOR's to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the CONTRACT and to the satisfaction of the ENGINEER-IN-CHARGE.
- vii) The CONTRACTOR shall furnish to the ENGINEER-IN- CHARGE the distribution return of the number and description, by trades of the work people employed on the works. The CONTRACTOR shall also submit on the 4th and 19th of every month to the ENGINEER-IN-CHARGE a true statement showing in respect of the second half of the preceding month and the first half of the current month (1) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (2) the number of female workers who have been allowed Maternity Benefit as provided in the Maternity Benefit Act 1961 on Rules made thereunder and the amount paid to them.
- viii) The CONTRACTOR shall comply with the provisions of the payment of Wage Act 1936, Employee Provident Fund Act 1952, Minimum Wages Act 1948. Employers Liability Act 1938. Workmen's Compensation Act 1923, Industrial Disputes Act 1947, the Maternity Benefit Act 1961 and Contract Labour Regulation and Abolition Act 1970, Employment of Children Act 1938 or any modifications thereof or any other law relating thereto and rules made thereunder from time to time.
- ix) The ENGINEER-IN-CHARGE shall on a report having been made by an Inspecting Officer as defined in Contract Labour (Regulation and Abolition) Act 1970 have the power to deduct from the money due to the CONTRACTOR any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non- fulfillment of the Conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said regulations.
- x) The CONTRACTOR shall indemnify the EMPLOYER against any payments to be made under and for the observance of the provisions of the aforesaid Acts without prejudice to his right to obtain indemnity from his SUB-CONTRACTOR's. In the event of the CONTRACTOR committing a default or breach of any of the provisions of the aforesaid Acts as amended from time to time, of furnishing any information or submitting or filling and Form/ Register/ Slip under the provisions of these Acts which is materially incorrect then on the report of the inspecting Officers, the CONTRACTOR shall without prejudice to any other liability pay to the EMPLOYER a sum not exceeding Rs.50.00 as Liquidated Damages for every default, breach or furnishing, making, submitting, filling materially incorrect statement as may be fixed by the ENGINEER-IN- CHARGE and in the event of the CONTRACTOR's default continuing in this respect, the Liquidated Damages may be enhanced to Rs.50.00 per day for each day of default subject to a maximum of one percent of the estimated cost of the WORK put to tender. The ENGINEER-IN-CHARGE shall deduct such amount from bills or Contract Performance Security of the CONTRACTOR and credit the same to the Welfare Fund constitute under these acts. The decision of the ENGINEER-IN-CHARGE in this respect shall be final and binding.

13.0 Contractor to indemnify the Employer:

- i) The CONTRACTOR shall indemnify the EMPLOYER and every member, office and employee of the EMPLOYER, also the ENGINEER-IN-CHARGE and his staff against all actions, proceedings, claims, demands, costs and expenses whatsoever arising out of or in connection with the matters and all actions, proceedings, claims, demands, costs and expenses which may be made against the EMPLOYER for or in respect of or arising out of any failure by the CONTRACTOR in the performance of his obligations under the CONTRACT DOCUMENT. The EMPLOYER shall not be liable for or in respect of or arising out of any failure by the CONTRACTOR in the performance of his obligations under the CONTRACT



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ii) PAYMENT OF CLAIMS AND DAMAGES:

Should the EMPLOYER have to pay any money in respect of such claims or demands as aforesaid the amount so paid and the costs incurred by the EMPLOYER shall be charged to and paid by the CONTRACTOR and the CONTRACTOR shall not be at liberty to dispute or question the right of the EMPLOYER to make such payments notwithstanding the same, may have been made without the consent or authority or in law or otherwise to the contrary.

- iii) In every case in which by virtue of the provisions of Section 12, Sub-section (i) of workmen's compensation Act, 1923 or other applicable provision of Workmen Compensation Act or any other Act, the EMPLOYER is obliged to pay compensation to a workman employed by the CONTRACTOR in execution of the WORK, the EMPLOYER will recover from the CONTRACTOR the amount of the compensation so paid, and without prejudice to the rights of EMPLOYER under Section 12, Sub-section (2) of the said act, EMPLOYER shall be at liberty to recover such amount or any part thereof by deducting it from the Contract Performance Security or from any sum due to the CONTRACTOR whether under this CONTRACT or otherwise. The EMPLOYER shall not be bound to contest any claim made under Section 12, Sub-section (i) of the said act, except on the written request of the CONTRACTOR and upon his giving to the EMPLOYER full security for all costs for which the EMPLOYER might become liable in consequence of contesting such claim.

14.0 MATERIAL

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

In order to speed up the profit, Free Issue Materials on a replacement basis shall be issued to the Contractor from the designated store(s) of Gas Ltd. Contractor shall be responsible for lifting the free issue materials from the Owner's storage point(s) and transporting the same to work site(s) at his own cost. In Free Issue materials, the required length of 3 layered PE Coated Line Pipes (4") and Insulating joint (1no) shall be provided by BGL.

14.2 Supplied by the Contractor

All Fittings and associated items to complete the works shall be supplied by Contractor and installed.

15.0 SECURITY DEPOSIT/ CPBG: Not Applicable

16.0 TERMINATION:

If, in the opinion of the Engineer in Charge, the performance of the party is not found satisfactory, the contract will be terminated by giving 15(Fifteen) days' notice. Any loss incurred by the company on this account shall be recovered from the party. BGL shall also have the right to complete pending jobs under this contract by engaging any other agency at the risk and cost of the original Party.



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17.0 PRICE REDUCTION SCHEDULE (PRS) :

Maximum PRS for all the delays combined shall be limited to a maximum of 5% of the total contract price as per the GCC.

18.0 COMPLETION PERIOD:

Total duration of executing the works is 01 month(Including mobilization period of 01 week), including obtaining approval on procedures, etc., from the Engineer-in-charge.

Defect liability period shall be considered as 30 days after completion of works (Contractor's scope of works).

19.0 PAYMENT TERMS:

70% payment shall be made Lowering and fabrication works of the entire works for station

20% payment upon testing and Commissioning

10% payment shall be released after the defect liability period.



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**SECTION 08
SCHEDULE OF RATES (SOR)**



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BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES

Subject : Steel Pipeline Works at BPCL RO Chennupati Vinay Filling Station, MG Road Vijayawada

TENDER NO: BGL/666/2025-26

Name of Bidder

Sl. No.	Description of Item	Unit	Size	Rating/THK	Unit Rate except GST	Qty.	Total Cost(Rs.)
(a)	(b)	(c)			(d)	(e)	(f)
1.0	PIPELINE LAYING / INSTALLATION						
	Receiving after inspection , loading , unloading and transportation and stacking of 3-Layer PE coated and bare line pipes/other materials issued by BGL as free issue materials from BGL designated store yard at Vijayawada to Contractor's stock yard/workshop/work-site.						
	Trenching to all depths by excavation in all types of soils except built up sections on top as different type of						
	Specified dia Thk (mm) Material Coating Type Length of each pipe (mm) NB						



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1.1	100 (Externally)	6.4 Double random (approx. 11.5 m to 12.5 m)	API 5L Gr. X-52	3 Layer PE Coating	Meter	4"				10	
1.2	Same as item 1.1 above but with built up sections (different type of pavement / footpath / roads etc. which include Asphalt roads, Tiled pavement and PCC/RCC roads) on the top surface										
	Installation of Coated Line Pipes as per following details:										
	Specified dia (mm) NB	Thk (mm)	Material	Coating Type	Length of each pipe						
	100	6.4	API 5L Gr. X-52	3 Layer PE Coating (Externally)	Double random (approx. 11.5 m to 12.5 m)	Meter	4"			32	
1.3	PRE-COMMISSIONING AND ASSISTANCE IN COMMISSIONING OF PIPELINE SYSTEM										
	Swabbing, drying, purging with nitrogen of the complete pipeline network and the associated facilities being installed to the specified acceptance criteria, carrying out pre-commissioning works, providing assistance during the complete duration of commissioning..										
1.3.1	For 4" NB Line				Meter	4"				45	
1.3.2	For 2" NB Line				Meter	2"				45	
2.0	<u>FITTINGS</u>										



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2.1	<u>LONG RADIUS BENDS</u>						
	Supply of Long Radius Bends (R = 3D) for 4" dia.pipe, (thk. 6.4 mm) as per specification enclosed in Tender Document. (Installation of bends is included in the pipeline laying and measured along with the pipeline)						
2.1.(a)	61° - 90°, MSS-SP-75, Gr. WPHY-42, 6.4 mm thk.	Nos.				4	
2.2	4" x 2"- cone Reducers	Nos.	4"x2"			1	
3.0	<u>PIPING (ABOVEGROUND)</u>						
	Transportation including loading, unloading & handling of all piping items (6", 4" NB pipes & valves are free issue itmes) from Owner's and/ or Contractor's storage point to work site/ workshop as applicable, complete work of fabrication, erection, painting, testing of pipes, flanges and fittings, insulation joints and making ready for further Commissioning / Start-up of carbon steel piping of all sizes and ratings including supply of all consumables, equipment, manpower and other resources and execution of, but not limited to, the following works in accordance with relevant specifications & scope of work, drawings, specification and instructions of Engineer-in-charge and as per all provisions of the CONTRACT DOCUMENT. Note : Valve erection shall be paid through separate SOR						
	Complete Carbon Steel Piping Work with painting including all fittings, flanges and supply of all required gaskets, studs bolts & nuts etc. as described under item 1.0 above						



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3.1	Piping & Mechanical Work(PP)						
	Piping Fabrication, testing, commissioning etc.	m	4" NB			6	
3.2	<u>SUPPLY & ERECTION OF OF ASSORTED PIPE, FITTINGS AND FLANGES AND INSULATION JOINTS</u>						
	Complete work of supply of pipes, fittings and flanges , insulation joints including all taxes, duties, transportation and inspection charges but not limited to, the following items in accordance with relevant specifications indicated in clause of SCC & scope of work indicated in SCC, drawings, specification and instructions of Engineer-in-charge and as per all provisions of the CONTRACT DOCUMENT.....						
3.2.1	CARBON STEEL PIPES						
3.2.1(a)	CS pipe Sch.80 API 5L, Gr. B, PSL-2, Seamless, BE / ASTM A106, Gr. B (Charpy), Seamless, BE	m	2" NB	S80		5	
3.2.1(b)	CARBON STEEL PIPE	m	1/2" NB	S160		0.5	
3.2.2	FLANGES						
	Weld Neck (B-16.5, A105(Charpy), 125 AARH, RF)	Nos.	2"	300#		3	
3.2.3	ELBOW						



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	90° Elbow (A234, Gr. WPB (Charpy), B-16.9, 1.5D), BW	Nos.	4"	S40		1	
3.2.4	ELBOW	Nos.	2"	S80		3	
3.2.5	SOCKOLET (A105, SW)	Nos.	4" x 1/2"	300#		3	
3.2.6	INSULATING JOINTS (As per Standard Specification and Data Sheets enclosed)	Nos.	4"	300#			
	Only Installation & On Commissioning and Final Billing(30% of Rate Quoted)	Nos.	4"	300#		1	
3.2.7	SUPPLY OF VALVES & INSTALLATIONS						
	Supply and installation of valves include all taxes, duties, transportation charges, and inspection charges in accordance with relevent specifications and relevent data sheet scope of work indicated in ssc drawings specification and instruction of EIC in all provisions of CONTRACT Document and Installation.						
	Ball valves						
3.2.7 (a)	RF,FB	Nos.	2"	300#		1	
3.2.7 (b)	SW,FB	Nos.	1/2"	800#		3	
4	CIVIL WORKS						
4.1	PLAIN CEMENT CONCRETE						



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	Supplying 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, pedestal bases, pipe supports, floors, chambers, cable trench, under floors.....						
4.1.1	i) 1:2:4	M3				3	
5	INSTRUMENTATION WORKS						
5.1	Supply, Calibration and Installation of instrumentation items listed below						
5.1.1	Pressure Gauges, Pressure Rating 300# Pressure Range 0 - 50 Kg/cm ² (Includes supply of two isolation valves per each gauge to provide double isolation)	Nos.				1	
	Gross Total Amount (inclusive of all applicable taxes & duties except GST)						
	GST @ 18%						
	Gross Total Amount (inclusive of all applicable taxes & duties Incl GST)						