



**LAYING OF UNDERGROUND STEEL PIPELINE AT  
TOLICHOWKI NALLAH AND PROVISION OF PCC  
PROTECTION DUE TO SHALLOW DEPTH  
Bid Document No. BGL/686/2025-26**

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

**BID DOCUMENT FOR**

**LAYING OF UNDERGROUND STEEL PIPELINE AT  
TOLICHOWKI NALLAH AND PROVISION OF PCC  
PROTECTION DUE TO SHALLOW DEPTH**

**UNDER OPEN DOMESTIC  
COMPETITIVE BIDDING**

**Bid Document No.: BGL/685/2025-26**

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Bhagyanagar Gas Ltd.

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**SECTION-8**

**SCOPE OF WORK (SOW)**



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**1. SCOPE OF WORK:**

**Project title:**

**Steel Pipeline Laying & MDPE Pipeline Rectification works under Tolichowki flyover**

**1. Project Overview**

This project involves the Installation and rectification of gas pipeline infrastructure along a stretch under Tolichowki Flyover. The work includes the laying of a steel pipeline, MDPE pipeline rectification, associated fittings, tie-ins and hydrotesting, along with documentation.

**2. Scope of Work**

**2.1. Pipeline Laying & Rectification**

• **Steel Pipeline Laying:**

- Laying of approximately 320 meters of steel pipeline.
- Supply of all fittings (e.g., elbows, reducers, flanges) included in the laying cost.
- Alignment and gradient to be maintained as per project design and standards.

• **MDPE Pipeline Rectification:**

- Inspection and rectification of existing MDPE pipeline sections as identified.
- Removal and replacement of damaged sections with new MDPE pipe.
- Fusion joints to be carried out as per technical specifications.

**2.2 Tie-in Joints**

- Execution of Tie-in joints with existing pipeline networks.
- Compliance with all safety, purging, and commissioning standards during tie-ins.
- Restoration of pipeline coatings and wrapping at joint locations.

**3. HDD Works**

• **Design and Execution:**

- Prepare HDD bore profile considering flyover foundations and existing utilities.
- Execute pilot drilling, reaming, and pullback of 12” steel pipeline and 125 MDPE as per approved HDD plan.

**4. Hydrotesting**

- Hydrotesting of the newly laid and rectified pipeline sections.
- Testing to be conducted at prescribed pressure levels for specified durations.
- Submission of hydrotest reports and pressure charts.

**6. Documentation & Compliance**

- Preparation and submission of the following for the entire stretch
- Route Survey Report



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- As-Built Drawings (AutoCAD)
- Material Reconciliation Statements
- Welding & NDT Reports
- Hydrotesting Certificates
- Safety Compliance Reports
- Photographic Documentation (Before, During, After Completion)

**7. General Requirements**

- All works to comply with relevant gas utility and safety standards.
- Work zone barricading, traffic diversion (if required), and public safety management.
- Restoration of surface (asphalt/concrete/soil) to original condition post-work

**8. Contract Period :- 06 months from the date of FOA/WO.**



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**SECTION-9  
SCHEDULE OF RATES**



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**SCHEDULE OF RATES**

Tender No:- BGL/686/2025-26

Tender Name :- Laying of Steel Pipeline at Tolichowki Nallah and Provision of PCC Protection Due To Shallow Depth

Bidder Name						
SOR SLNo.	Description of Item	UOM	Total Qty	Unit Rate (Rs.) Excl. of GST	% of Payment	Amount (Rs.) Excl. of GST
<b>1.00</b>	<b>MAINLINE WORKS</b>					
<b>ML-1</b>	<b>CARBON STEEL PIPES</b>					
<b>1.1</b>	<b>PIPELINE LAYING / INSTALLATION</b>					
	<b>PIPELINE LAYING / INSTALLATION</b>					
	Installation of Coated Line Pipes & MDPE pipes as perfollowing details:					
<b>1.2</b>	<b>Same as item 1.1 above but with built up sections (different type of pavement / footpath / roads etc.) on the top surface</b>					
	Installation of Coated Line Pipes & MDPE pipes as perfollowing details:					
	Specified dia    Thk (mm)    Material    Coating Type    Length of each pipe    (mm) NB					
1.2.1	300    6.4    API 5 L Gr.X-52    3 Layer PE    Double random    Coating (Externally)    (approx.11.5m to12.5m) MDPE Pipe - 125 mm dia of PE 100 - 65%	Meter	200.00		65%	0.00
1.2.2	300    6.4    API 5 L Gr.X-52    3 Layer PE    Double random    Coating (Externally)    (approx.11.5m to12.5m) MDPE Pipe - 125 mm dia of PE 100 - 10%	Meter	200.00		10%	0.00
1.2.3	300    6.4    API 5 L Gr.X-52    3 Layer PE    Double random    Coating (Externally)    (approx.11.5m to12.5m) MDPE Pipe - 125 mm dia of PE 100 - 10%	Meter	200.00		10%	0.00



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1.2.4	300 6.4 API 5 L Gr.X-52 3 Layer PE Double random Coating (Externally) (approx.11.5m to12.5m) MDPE Pipe - 125 mm dia of PE 100 - 5%	Meter	200.00		5%	0.00
1.2.5	300 6.4 API 5 L Gr.X-52 3 Layer PE Double random Coating (Externally) (approx.11.5m to12.5m) MDPE Pipe - 125 mm dia of PE 100 -10%	Meter	200.00		10%	0.00
<b>1.3</b>	<b>PE Pipe Laying using Horizontal Directional Drilling (HDD) Technique:</b>					
	<b>HDD Without casing Pipe</b>					
1.3.1	125 mm PE 100 pipe -80%	Meter	120.00		80%	0.00
1.3.2	125 mm PE 100 pipe -10%	Meter	120.00		10%	0.00
1.3.3	125 mm PE 100 pipe -10%	Meter	120.00		10%	0.00
<b>ML-2</b>	<b>Restoration of asphalted roads / concrete roads / pavements / foot paths, wherever instructed by EIC .Job includes getting NOC from the concerned authorities.</b>					
2.1	Asphalt road - 75%	Meter	150.00		75%	0.00
2.2	Asphalt road - 15%	Meter	150.00		15%	0.00
2.3	Asphalt road - 10%	Meter	150.00		10%	0.00
<b>ML-3</b>	<b>Steel Pipeline Laying by Horizontal Directional Drilling (HDD) Technique (without casing pipe):</b>					
<b>3.1</b>	<b>Steel pipeline HDD (without casing pipe): In all type of soil excluding HARD ROCK AREA</b>					
3.1.1	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -80%	Meter	95.00		80%	0.00
3.1.2	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -10%	Meter	95.00		10%	0.00



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3.1.3	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -10%	Meter	95.00		10%	0.00
<b>3.2</b>	<b>Steel pipeline HDD (without casing pipe): IN HARD ROCK AREA USING DIAMOND CUTTER with drilling in hard rock length at the rate of not more than 4.5 m per hour and carrying out soil investigation and lab analysis at a maximum span of 25 metres for establishing the hard rock HDD length to be paid under this item</b>					
3.2.1	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -80%	Meter	25.00		80%	0.00
3.2.2	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -10%	Meter	25.00		10%	0.00
3.2.3	For carrier pipeline of 3LPE Coated Carbon Steel Pipeline with Line pipe detail 12" NB, 6.4 mm thk API 5LX52. -10%	Meter	25.00		10%	0.00
<b>ML-4</b>	<b>Liasoning &amp; Obtaining Permission for laying of steel pipelines of all sizes by all methods including laying of 125 NB PE pipeline in the steel pipe trench, wherever required:</b>					
4.1	Obtaining ROU permission for laying of the pipeline from the concerned land owning authority 75%	Meter	320.00		70%	0.00
4.2	Obtaining ROU permission for laying of the pipeline from the concerned land owning authority -20%	Meter	320.00		20%	0.00
4.3	Obtaining ROU permission for laying of the pipeline from the concerned land owning authority -10%	Meter	320.00		10%	0.00
4.4	Hydro-testing, dewatering and Swabbing, Final cleanup and restoration (as per respective rate), Submission of as built drgs.	Meter	1000.00		90%	0.00
4.5	All Documents, like pipe book etc. and Final system and acceptance of the system by Owner completion, handing over of complete pipeline	Meter	1000.00		10%	0.00



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	reconciliation of materials under Tolichowki flyover					
	<b>PLAIN CEMENT CONCRETE</b>					
<b>CIV-5</b>	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 and any other locations (which are not covered as part of composite items) , at all levels and locations as per drawings, specifications and directions of the Engineer-in-charge.					
5.1	i) 1:2:4 - 90%	M3	55.00		90%	0.00
5.2	ii) 1:2:4 - 10%	M3	55.00		10%	0.00
<b>Sub Total (Rs.) Excl. of GST</b>						<b>0.0000</b>
<b>GST %</b>						
<b>GST Amount</b>						<b>0.0000</b>
<b>Total Amount with GST</b>						<b>0.0000</b>