

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

No. RCW/MD/2024/245

Dated: - 12-10-2024

CALL FOR QUOTATIONS OF PNG CONNECTIONS

NIT Kurukshetra for its 11 Boys' Hostels & 4 Girls' Hostels invites quotations for the installations of internal piping and burner modifications etc., for PNG connections as per the materials SOR(Schedule of Rates) & their specifications mentioned in Annexure I & Annexure II (attached separately). The supplier may visit and survey the Hostels' site.

Quotation in a sealed envelope should be submitted in the office of Chief Warden (Boys Hostels), NIT Kurukshetra.

Contact Mr. Bhupender (HS H-5), Alok Bajpai (HS H-6) for any queries: 93557-93550, 9416404448

Terms and Conditions: -

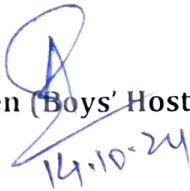
1. The Material used for internal piping and burner modifications etc., for PNG connection should be strictly as per the specifications mentioned in Annexure I & Annexure II.
2. Initially, no advance payment will be given to the vendor, in fact, payment will be made only after the successful completion of the entire work and submission of the "Fit for use certificate" issued by Third Party Administrator (TPA) and also a satisfactory installation report from HP Oil Gas authority and a satisfactory report from the corresponding Hostel Warden.
3. It will be the responsibility of the vendor to get a **Fit For Use Certificate** (Attached as Annexure Iii), charges for the same (if any) will be borne by the vendor only and TPA should be recognized from Petroleum and Natural Gas Regulatory Board (PNGRB). The format of the certificate is attached with the quotation.
4. The vendor has to be registered through Govt. Authorities.
5. Vendor should produce Copy of GST Registration Certificates and PAN Card of the agency is required to be enclosed along with Quotation.
6. Copy of experience certificates of similar nature of at least one work of minimum Rs. 4 Lakhs in last two years, need to be enclosed alongwith quotation.
7. The vendor should provide a warranty and service for a minimum period of 1 year on the items/products installed.
8. Any statutory permissions/Local body approval, if required shall be obtained by the vendor itself.
9. SOR (Schedule of Rates) are valid for 60 Days only after selection of vendor.
10. Conditional quotation given by any vendor will not be considered.
11. All the materials to be fixed should be confirming to BIS standards, unless otherwise specified.
12. The quantity of item in SOR (Schedule of Rates) is tentative and depends upon site conditions.
13. The agency should provide proper safety tools to its workers. The N.I.T, Kurukshetra will not be responsible for any mishapening.
14. Vendor should ensure no Labour below the age of 18 years be employed on site.
15. Any additional work related to Masson/Carpentry/plumbing/painting/welding or any other type of work has to be performed by vendor only.
16. The vendor should have valid Fire & Safety license for supply and installation of internal piping and burner modifications etc., for PNG connections.
17. The entire work has to be completed within 6 weeks of the issue of Purchase Order.
18. The payment will be through online method, the price quoted by the vendor should include GST and all other taxes (if any).
19. It is a turnkey project for 11 Boys' Hostels & 4 Girls' Hostels. However bill for each Hostel should be raised separately.

20. Quotation in a sealed envelope should be submitted by post or by hand in the AB-114, office of Chief Warden (Boys' Hostels), NIT Kurukshetra by 30th October 2024 at 5:00 PM.




Dr. Mohit Dua
(Committee Chairman)

Chief Warden (Boys' Hostels)



Chief Warden (Girls' Hostels)



Prof - In charge CCN with a request to upload on the institute website

Enclosure: 1. Material Standard & Specification Details (Annexure-I)
2. SOR (Schedule of Rates) (Annexure-II)
3. Fit for use Certificate Format (Annexure-III)

Annexure I

Material Standards and Specifications

Sr. No.	Item	Material Type	Specification
1	Steel Pipe or Galvanized Pipe	Mild steel (M.S.) or Carbon Steel (C.S)	ERW GI pipes (Class C) as per IS 1239 Part 1 standard or API 5L Gr. B or ASTM A106 or ASTM A333
2	PE pipes and fittings and valves (underground)	Polyethylene	PE100 or PE80 grade, as per following standards: Pipes: IS 14885 or ISO 4437-2 or EN 1555-2 Fittings: ISO 4437-3 or EN 1555-3 Valves: ISO 4437-4 or EN 1555-4 or ASME B16.40
2	Isolation Valve	Brass-Carbon Steel (C.S)	Up to and including 2": EN 331 More than 2": API 6D
3	Galvanized Fittings	GI Fittings, Mild steel (M.S.) or Carbon Steel (C.S)	IS 1239 (Part-2), IS 1879, ASME B16.9, ASME B16.11, ASTM A234
4	Galvanized Flanges (forged)	Carbon Steel	SORE, 150#, ASME B 16.5, Material as per ASTM A 105 hot dip galvanized
5	Socket weld end fittings	CS Forged, Socket Welding fitting,	ASTM A 234 WPB, Dimensions as per ANSI B16.11, hot dip galvanized
6	PE fittings	Electro fusion Fitting	ISO 4437-3
7	Flexible Hose	Stainless Steel (S.S.) 316L	SS braided bellow pipe with polyolefin liner (heat shrunked)
8	Gasket	CNAF- Spiral wound or non metallic flat	ASME B16.20 or ASME B16.21
9	Galvanized Fasteners	Steel	ASTM A193 or A 194 Grade B7 or 2 H
10	Galvanizing	Hot dip Zinc coating	IS 4736
11	"U" clamp	GI Coated and PVC sleeve	1" to 4"
12	Welding Electrodes		AWS E 6010 & E6013
13	Stud bolt, Nut	Galvanized	Stud - ASTM A 193 Gr B7M Nut - ASTM A 194
14	Filter	Stainless steel	50 micron mesh and forged body. Internal SS 316 and External ASTM A 106.
15	Self-adhesive Anti corrosive Tape for wall crossing	300 micron, 2.5 cm or 5 cm (1" or 2")	As approved by CGD entity

SCHEDULE OF RATES (SOR)

TENDER FOR PROVIDING SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF INTERNAL PIPING OF PNG
N.I.T KURUKSHETRA

Name of the Firm

SR No	Description	UOM
1	M.S Pipe C Class 40 MM Dia IS - 1239	Feet
2	Main Line Branch Valve 40 MM C.S Type	Nos
3	Pressue Guage 6000 MMWC	Nos
4	Pipe Supporting Clamp 40 MM	Nos
5	Butterfly Valve 10/15 MM Dia	Nos
6	Brass Adopter 10/15 MM Dia	Nos
7	Bull Nose Coupler	Nos
8	P.N.G Injector size - T35, T65, G3, G100, T78	Nos
9	Installation Job (Incl. Paint, Primer, Testing, Conveyance, Freight Etc.)	Nos
10	Third Party Inspection Report With all Material Test Certificates	Nos
11	Burner Conversion From LPG to NG including supply of nozzals & all associated work	Nos
12	Hardware Goods (Incl. Fasteners, Angles, Nut Bolts, Neoprene Rubber Sheet/Pad, PVC Sleeves for Holes Etc.)	Nos
13	Nitrogen Testing of Internal Piping Connections	m ³

Fit for Use Certificate*(To be issued by TPA) Definition***Date:**

To,

*<Name of authorized CGD Definition entity>
<Address >***Subject: Fit for Use Certificate for Internal pipeline and
gas installation Customer no-**

Respected Sir / Madam,

We have inspected and tested the installation or modification of complete internal gas pipeline (IP) or gas installation from *<Name of the Contractor>*.

The entire gas pipeline (IP) has been tested at _____ bar(g) pressure for _____ hours. The testing was satisfactory, and no leakage was found.

The customer has used all materials and followed the construction procedure as mentioned in specification of authorized entity's guidelines.

The internal pipes (IP) and equipment are inspected, tested, and are safe and Fit for Use to receive natural gas.

We hereby reconfirm that this connection is ready for commissioning and is suitable in all ways for using the safe PNG gas supply.

Regards,

*<Name and sign of the authorized person>
<Seal of the Company>*

Check list

(for issuance of Fit for Use Certificate)

(To be submitted by TPLA Definition on letter head and signed by PNG customer)

Date:

Customer Number:

Customer Name:

Address:

Date of Inspection:

Name of CGD

Entity: Name of

Contractor: Name of

TPLA

Name of Authorized personal:

Sr. No.	Checklis Items	Yes	No	Remarks
A	Route Selection			
1	Pipe route, which is indicated by the authorized personnel, is followed			
2	Whether the pipeline route selected for IP is safe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B	Materials			
1	All materials and equipment use in piping system are complied with PNGRB guidelines and relevant regulations			
C	Internal Piping			
1	All welding is carried out as per API 1104, NDE Definition carried out and found satisfactory			
2	Teflon tape is used for threaded joints			
3	PVC sleeve is provided wherever distance between pipe and electric cables electric points is less than 300 mm			
4	Flanged joints are not provided within 300 mm radial distance of electrical points or junction points			
5	Pipe is firmly tightened on support with U bolt or clamps.			

6 Sufficient permanent support provided for Internal piping

7 Pipe support or clamps should be firmly fixed on wall with U bolt or clamps

8 Pipe supports are not mounted on temporary wall/un-plastered wall/shed/trees etc.

9 The steel pipeline is not laid across or below the electrical lines

D Corrosion protection and Markings

1 Pipes or fittings or valves or supports & other equipment are painted as per guideline

2 Direction of gas flow and PNG are marked along the PNG pipeline

3 Provide self-adhesive anti-corrosion tapes or PE sleeve while crossing of walls or slabs or other corrosion prone area to protect the pipe from corrosion

E Inspection and Testing

1 Inspection and testing are carried out as per approved procedure

2 The pneumatic test is carried out as per approved procedure

3 The testing certificate is produced and signed by Contractor and Authorized personnel of approved TPA as per the proforma.

4 For IP operating at the pressure 4 bar or above, 10 % nondestructive examination is carried out and defects are repaired

F Records

Remarks:

1. _____
2. _____

Certificate

We hereby certify that the pipeline installation or laying work have been carried out in accordance with guidelines, specification, approved work procedures, including inspection and testing and the installation is found satisfactory and fit for use or ready for commissioning.

Issued by:

Third party Inspection agency	
Sign and Stamp:	
Date and Time:	

We hereby confirm that any responsibility beyond the delivery point lies with us in line with the Gas Sales Agreement.

Regards,

<Name and sign of the authorized person>

<Seal of the Company>