

Views/Comments received on webhosted proposed Amendments in PNGRB T4S CGD Regulations

S. No	Clause No./ Reference	Description	Proposed Amendments	Views/Comment received	As proposed by subcommittee
1	Schedule 1A: Pipes and tubing for above ground service lines up to meter set assembly	Use of multilayer composite piping system and stainless-steel pipes	<p>a. after the words beginning with "Use of copper pipe / tube...." and ending with "...inside the kitchen only.," the following shall be added, namely: -</p> <p>"As an alternate to copper pipe/ tube, multi layered composite pipe complying with the requirements of ISO 17484-1 can also be used."</p> <p>b. after the words beginning with "GI pipes and Copper tubing shall....." and ending with "...Annexure-IV of this standard.," the following shall be substituted with, namely: -</p> <p>"GI pipes, copper tubing and multilayer composite pipes shall conform to the requirements given in Annexure-IV of this standard."</p> <p>c. after the words "PE pipe shall not be used for above ground gas pipes." The following shall be added</p> <p>"unless it is specifically permitted in the regulations."</p>	No comment received	As proposed
2		Wall mounted regulating system	<p>To be added at 4.4 (b) 6</p> <p>"For Wall mounted regulating system, safety features like crash guards, caging of facilities, etc. shall be provided. Further, the maximum outlet pressure shall be restricted up to 0.5 bar (g)."</p>	<p><u>IGL</u></p> <p>In this regard restricting the pressure in outlet to 0.5 Bar(g) is not technically justified, as there is no such restriction of downstream pressure in case of IPRS, whereas downstream piping is subjected to same risk and environment. Please note IGL is operating more than 1000 such customers without any untoward incident.</p>	<p>To be added at 4.4 (b) 6</p> <p>"For Wall mounted regulating system, safety features like crash guards, caging of facilities, etc. shall be provided. Further, the maximum outlet pressure shall be restricted up to 2 bar (g). The downstream pipeline system shall be tested at atleast 1.4 times of upstream pressure to ensure integrity in case of any failure."</p>
3	Schedule 1D: Table - 1 : Inter-distance between Facilities at CGS	Distances for gas fired heaters used for heating the refrigerated gas and Clear distance between two pipelines in same trench	No change in existing clause.	No comment received	No change in existing clause.
	Schedule 1D:		A. In Schedule 1D, under the heading "Distribution Pressure Regulating		As proposed

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4	Distribution Pressure Regulating Station (DPRS) and Individual Pressure Regulating Station (IPRS) B. In Annexure – I : List of Specifications of Piping Materials used in CGD Network	Use of butterfly valves in place of ball valves in CGD network	<p>Station (DPRS) and Individual Pressure Regulating Station (IPRS)”</p> <p>After the words beginning with “In case DPRS is located below ground, ...” and ending with “...module type with proper cathodic protection.”, the following shall be added, namely:</p> <p>“In case butterfly valves are used in underground DPRS, the same shall conform to the requirements given in Annexure – I. Further, a dedicated isolation valve shall be installed upstream of such underground skid.”.</p> <p>B. In Annexure – I, under the heading “List of Specifications of Piping Materials used in CGD Network”</p> <p>After the words “API 6D Pipeline Valves”, the following shall be added, namely:</p> <p>API 609: Butterfly valves: Double flanged, lug-type & wafer-type.</p> <p>EN 13774: Valves for gas distribution systems with maximum operating pressure less than or equal to 16 bar. Performance requirements</p> <p>BS EN 593: Industrial valves. Metallic butterfly valves for general purposes.</p>	No comment received	
5	Schedule 1D: Piping beyond consumer meter set assembly to gas appliance	Piping connecting consumer meter set assembly to consumer gas appliance shall be either GI or copper up to last valve located near actual appliance. A metal seated leak detection cum excess flow shut off valve shall be provided near the appliance located at easily accessible location by the authorised entity. The valve shall be designed to shut off in case of sudden leakage of gas from the hose or in case of burner flame-off condition.	<p>In Schedule 1D, under the heading “Piping beyond consumer meter set assembly to gas appliance”</p> <p>The text “A metal seated leak detection cum excess flow shut off valve shall be provided near the appliance located at easily accessible location by the authorised entity” should be amended as</p> <p>“A metal seated leak detection cum excess flow shut off valve may be provided near the appliance located at easily accessible location by the authorised entity.”</p>	No comment received	As proposed

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6	The draft guidelines for commercial customers for providing gas connections in completely enclosed buildings i.e. AC malls, basements, Multi-tier building etc.		Enclosed as "Annexure-I"	No comment received	As proposed
7	The draft guidelines for provisions for providing connection in high rise buildings		Enclosed as "Annexure-II"	Comments are collated from S. No. 9-11	
8	PNGRB T4S Regulations for CGD Networks,2008 with Clause Numbers	For ease of reference a need was expressed by subcommittee members to provide clause numbers in the regulations	Enclosed as "Annexure-III"	No comment received	As proposed
Draft Guideline for Gas Supplies to High Rise Multi Occupancy Buildings					
9	1. Scope	This document suggests guidelines which may be referred for installation of the pipe-work between the Service Regulator (SR) up to and including the steel reinforced rubber hose installed inside the kitchen of the domestic customer, and includes the risers and laterals systems supplying gas to high rise multi occupancy buildings (domestic premises), to facilitate supply of gas to the domestic customers.		<p><u>SGL</u></p> <p><u>To be Modify</u></p> <p>High rise multi occupancy buildings shall be designated to the buildings having vertical distance more than 32 meters from Ground. Vertical distance measured from the average ground level/ high flood level/plot level and up to the top of the finished level of the top most floor slab or in case of flat roofs up to the midpoint of the height of the sloping roof excluding the genuine stair cabin, water tank, and lift room.</p>	No change in existing clause.

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10	3 (e) : General	e. The PE portion of a service terminates at the crimp fitting approximately 0.5 metres above ground and thereafter changes to galvanized steel pipe. The RIV is located at height of 1.5 metres from ground level. The PE portion of 0.5 metres above ground is protected with anti-rodent HDPE sleeve and RCC crimp guard.		<p>SGL</p> <p><u>To be Modify</u></p> <p>The PE portion of a service terminates at the crimp fitting approximately 0.5 metres above ground and thereafter changes to galvanized steel pipe. The RIV is located at height of 1.5 metres from ground level. The PE portion of 0.5 metres above ground is may be protected with anti-rodent HDPE sleeve and RCC crimp guard. Use of Anti Rodent sleeves shall be preferred in areas where rodent bite cases observed.</p>	<p>To be amended as :</p> <p>"The PE portion of a service terminates at the crimp fitting approximately 0.5 metres above ground and thereafter changes to galvanized steel pipe. The RIV is located at height of 1.5 metres from ground level. The PE portion of 0.5 metres above ground shall be suitably protected for rodent bites and crimp guard."</p>
11	3 (f) : General	f. Immediately above the RIV, an equal tee will be fitted to facilitate the pressure testing of the riser.		<p>SGL</p> <p><u>To be Modify</u></p> <p>Immediately above the RIV, an equal tee will may be fitted to facilitate the pressure testing of the riser.</p>	<p>To be amended as :</p> <p>"Immediately above the RIV, an equal tee should be fitted to facilitate the pressure testing of the riser. As different practices are followed by the entity for testing"</p>