

Annexure

MGL's Comments on Sub-committee views on Proposed Amendments in PNGRB T4S CGD Regulations, 2008

S No	Clause No.	Amendment Proposal	Sub-Committee Recommendations	Comments
1	PNGRB (Gas Supplies to High Rise Multi Occupancy Buildings) Guidelines, 2020 Clause 10 (c)	Addition: Issue of guidelines for gas supplies to High Rise Multi Occupancy Buildings.	Guidelines attached as Annexure-I	Comments attached at Table I
2	PNGRB (Providing Gas Connections in Completely Enclosed Buildings i.e. AC Malls, Basements, Multi-tier Building etc.) Guidelines, 2019 11.0 "Safety Measures"	Addition: Issue of guidelines for providing connections in completely enclosed buildings i.e. AC Malls, Basements, Multi-tier Building etc.	Guidelines attached as Annexure-II	Comments attached at Table II

Table I

Comments on Gas supplies to High Rise Multi occupancy Buildings – Draft Guidelines

S.No.	Clause No.	Proposed Guideline	Comments/Views
1	4. General. 4.h. (i)	Where the pipe must be laid over the building Podium / roof slab, to gain access to the riser, this may be done either: i. By laying exposed steel pipe clipped to the roof in the car parking area.	The word roof should be replaced by “Ceiling”. It is better to mention that pipeline laid in car park area ceiling should be welded and not threaded joint as proper ventilation may not be there.
2	8.General guidelines of Stress Analysis.	8.b. Difference in installation temperature may be taken as 20 0C and the design temperature must be taken as 65 0C for calculating the stresses due to thermal expansion and contraction. Considering a design life of 40 years and one thermal cycle per day, number of thermal stress cycles for which the design should be safe is 40x375=15000 .	The thermal cycles for 40 years life should be 365*40 i.e. 14600
3	8.General guidelines of Stress Analysis. LOAD CASES: The pipeline must be safe under the following load cases.	C. Combined Loads Pressure, Self-weight, Building Settlement, Thermal expansion and Pipe displacement with direction +Y D. Combined Loads Pressure, Self-weight, Building Settlement, Thermal expansion and Pipe displacement with direction –Y	C. Combined Loads Pressure, Self-weight, Building Settlement, Thermal expansion and Pipe displacement with direction +Z D. Combined Loads Pressure, Self-weight, Building Settlement, Thermal expansion and Pipe displacement with direction –Z

4	Diagram of Internal riser passing through the shaft (on page 9)		•Unfamiliar terms – ECV, IIV, insulation joint, Service head adapter, PIV etc need to be defined in the document.
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Table II**Comments on (Providing Gas Connections in Completely Enclosed Buildings i.e. AC Malls, Basements, Multi-tier Building etc) Guidelines, 2019**

S.No.	Clause No.	Proposed Guideline	Comments/Views
1	10	Internal pipeline checks: Commission IP line by gradually opening of isolation valve and ensure more than 90% CH ₄ by safe venting of natural gas at farthest vent point.	PNGRB may consider rephrasing it as “Commission IP line by gradually opening of isolation valve and ensure more than 95% CH ₄ by safe venting of natural gas at farthest vent point. Further for ensuring safety, flame arrestor arrangement to be fitted in Vent pipe.