



**SYN GAS TO SYNTHETIC NATURAL GAS PLANT
(METHANATION UNIT)**

COAL GAS INDIA LIMITED (CGIL)



Date 30.04.2026

CORRIGENDUM-III

NIT NO., : PNMM/PC-217/E/003 DATED 09.02.2026

SUB. :SYN GAS TO SYNTHETIC NATURAL GAS PLANT (METHANATION UNIT)

This is for information to all Bidders who are willing to participate in the subject NIT, that CORRIGENDUM-III date 30.04.2026 is being issued and shall be read in conjunction to the NIT and subsequent Amendments issued till date.

*All other terms & conditions of NIT shall be as per original NIT and subsequent Amendment(s).

For & on behalf of
COAL GAS INDIA LIMITED (CGIL)

(Ms. Ritu Agarwal)
Dy. General Manager & HOD (M.M)
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SYN GAS TO SYNTHETIC NATURAL GAS PLANT AT BARDHAMAN, WEST BENGAL,(INDIA)



(ITB NO : PC-217/E-003 DTD 09.02.2026)
Corrigendum III (Technical) Dated 30.04.2026

SL N O.	REFERENCE OF BIDDING DOCUMENT				AMENDM ENT TYPE M/D/A	MODIFICATION																														
	Part/Se c.	Page No.	Clause No.	Description as per NIT																																
1.	PART-II/ SECTION-4.0	5 of 14	2.3 (Synthetic Natural Gas)	<p>The product Synthetic Natural Gas shall be in-line with the PNGRB regulations for NGpipeline. Gas quality specification as per PNGRB regulations is as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SL No.</th> <th>Components</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Water dew point (Degree Celsius, max)</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Hydrogen Sulphide (ppm by wt max)</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Total Sulphur (ppm by wt max)</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Carbon Di-oxide(CO₂), (mol. %, max.)</td> <td style="text-align: center;">6</td> </tr> </tbody> </table>	SL No.	Components	Limit	1.	Water dew point (Degree Celsius, max)	0	2.	Hydrogen Sulphide (ppm by wt max)	5	3.	Total Sulphur (ppm by wt max)	10	4.	Carbon Di-oxide(CO ₂), (mol. %, max.)	6	M	<p>The product Synthetic Natural Gas shall be in-line with the PNGRB regulations for NGpipeline. Gas quality specification as per PNGRB regulations is as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SL No.</th> <th>Components</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Water dew point (Degree Celsius, max)</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Hydrogen Sulphide (ppm by wt max)</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Total Sulphur (ppm by wt max)</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Carbon Di-oxide(CO₂), (mol. %, max.)</td> <td style="text-align: center;">6</td> </tr> </tbody> </table>	SL No.	Components	Limit	1.	Water dew point (Degree Celsius, max)	0	2.	Hydrogen Sulphide (ppm by wt max)	5	3.	Total Sulphur (ppm by wt max)	10	4.	Carbon Di-oxide(CO ₂), (mol. %, max.)	6
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2.	PART-II/ SECTION-4.0	5 of 14	2.4 (Feed for SYN gas to Synthetic Natural	Synthetic Natural Gas Plant shall be designed to use the purified Syn Gas (CO+H ₂) from the battery limit of Coal Gasification Plant typical analysis of purified Syn Gas is as follows:	M	Synthetic Natural Gas Plant shall be designed to use the purified Syn Gas (CO+H ₂) from the battery limit of Coal Gasification Plant typical analysis of purified Syn Gas is as follows:																								



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Gas Plant)			Sl. No	Components	Comp osition	Sl. No	Components	Composition
			1.0	Hydrogen(H ₂), (vol. %, min.)	73-75	1.0	Hydrogen(H ₂), (vol. %, min.)	73-75
			2.0	Carbon Monoxide(CO), (vol. %, min.)	23-25	2.0	Carbon Monoxide(CO), (vol. %, min.)	23-25
			3.0	Carbon Di-oxide(CO ₂), (vol. %, min.)	<0.5	3.0	Carbon Di-oxide(CO ₂), (vol. %, min.)	<0.5
			4.0	Nitrogen(N ₂), (vol. %, min.)	<0.9	4.0	Nitrogen(N ₂), (vol. %, min.)	<0.9
			5.0	Argon (Ar), PPMv (max.)	0.5- 0.75	5.0	Argon (Ar), PPMv (max.)	0.5-0.75
			6.0	Mercury (Hg), PPMv (max.)	Nil	6.0	Mercury (Hg), PPMv (max.)	Nil



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7.0	Pressure at B.L., Kg/cm ² g, Max.	30
8.0	Temperature at B.L. Deg. C, Max.	45
9.0	Quantity Nm ³ /hr	3,36,0 00 (Tenta tive)

Synthetic Natural Gas plant should be able to respond to the operational interruption in Coal Gasification plant without jeopardising the plant safety.

7.0	Pressure at B.L., Kg/cm ² g, Max.	30
8.0	Temperature at B.L. Deg. C, Max.	45
9.0	Quantity Nm ³ /hr	3,36,000 (Tentative)

Bidder to design the plant considering Maximum Sulphur and Chloride Level as 0.1 ppmv

Accordingly, licensor may consider requirement of Guard bed to take care of above contaminants.

Synthetic Natural Gas plant should be able to respond to the operational interruption in Coal Gasification plant without jeopardising the plant safety.



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3.	PART-II/ SECTION N-4.0	5 of 5	5.4 (Environment), Sl. No. 4	4. Install SO ₂ , NO _x , CO online analyzers in all the stacks for computerized monitoring as stipulated in the EC. Stack heights shall be as specified in the Carbon Mono-oxide emission limit shall be 350 PPMv (max) for Shift Conversion Section. Above values are indicative. LSTK Contractor to follow the latest norm of CPCB/ OSPCB . State PCB or Central PCB norms whichever is more stringent shall be complied by LSTK Contractor.	M	4. Install SO ₂ , NO _x , CO online analyzers in all the stacks for computerized monitoring as stipulated in the EC. Stack heights shall be as specified in the Carbon Mono-oxide emission limit shall be 350 PPMv (max) for Shift Conversion Section. Above values are indicative. LSTK Contractor to follow the latest norm of CPCB/ OSPCB WBPCB . State PCB or Central PCB norms whichever is more stringent shall be complied by LSTK Contractor. Wherever, OSPCB is appearing in the Tender documents, it shall be read as WBPCB.
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LEGEND:

M: MODIFICATION, A: ADDITION, D: DELETION.