

**REPLIES TO PRE BID QUERIES LOT-3 Dated 19.01.2026  
COAL GASIFICATION PLANT FOR GENERATING SYNTHETIC NATURAL GAS (SNG) AT BARDHAMAN**

SL NO	NIT PART	SECTION	PAGE NO	CLAUSE NO	NIT SPECIFICATION	Queries	Final PDIL/OWNER Reply
4	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-1.0 PROJECT DESCRIPTION	4 of 9	1.0	Based on the shortlisted licensor(s) for coal gasification, bids will be invited for executing the project on LSTK basis. The Detailed Feasibility Report (DFR) will be finalized based on the price of the lowest LSTK bidder. Subsequently, a decision will be made to place the order with the lowest Lump Sum Turnkey (LSTK) bidder for the execution of the project.	The shortlisted technology licensors are offering different coal gasification technologies. Kindly clarify the basis of evaluation, how technical and commercial disparities among the offered technologies will be normalized or compared during bid evaluation	Please refer Clause 32 of Instruction to Bidders
11	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	4 of 7	1.3	Non-Plant Buildings	Who is authorized to define / categorize plant and Non-plant buildings.? Are non-plant buildings identified in NIT Layout?	noted and refer the plot plan
15	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	5 of 7	1.4 Note-9	LSTK Contractor to ensure availability of more than two vendors for all the Licensor's proprietary item/equipment	As the manufacturing and supply of Licensor's proprietary items/equipment are solely dependent on the respective Licensors, kindly clarify how the requirement of ensuring more than two vendors for such proprietary items/equipment is to be complied?	LSTK bidder to explore the same with Licensor
17	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	6 of 7	2.15	the materials supplied by Coal Gas India Limited, if any, from : Coal Gas India Limited store to LSTK CONTRACTOR's Store/ work site including loading/ unloading.	LSTK contractor shall collect the materials / items, (if any) being provided by Owner at the time site requirement. Prior storage and preservation shall be by the owner. The Owner shall provide quality materials as per the technical specification and quantity as per the requirement.	Shall be as per NIT. However material / equipment falling within the Contractor's scope shall remain the sole responsibility of the Contractor.

30	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	135 of 319	8.0 Structural Steel Work - Fabrication	All members shall be so fabricated as to assemble the members accurately on site and erect them in correct positions. Before dispatch to site the components shall be assembled at shop and any defect found rectified. ....	Bidder presumes from this clause that only Technological Structures will have to be fabricated at Works and others can be carried out at site for which enough space will be provided by Client. Please clarify bidders understanding.	Space shall be provided as per availability and the same shall be finalised after award of contract.
46	PART-II, Technical	PC217/E/001/P-I/5.2 GENERAL SPECIFICATION FOR ANALYSER SHELTER : GSTD-0001	20 of 34	2.7	Chemical Filters	Chemical filters are only applicable for control room. Please confirm.	Chemical filters are applicable for analyser shelters also
50	PC217/E/001/P-II/SEC-1.0 Sheet 5 OF 9	2.2 Process Units			This clause specifies the “ List of probable process units for the Coal Gasification Complex along with their capacities:” 1) Feed Coal Preparation based on washed Coal supply at Battery Limit (B.L.) – By Coal Gasification Licensor / LSTK Contractor 2) Coal Gasification – By Coal Gasification Licensor 3) Gas Cooling and Cleaning – By Coal Gasification Licensor 4) Gas Purification (Acid Removal Section), Gas Liquor Separation – By LSTK contractor based on BE/Design from respective reputed system suppliers (with assistance of Coal gasification licensor, if required) 5) Sulphur Recovery Unit – By LSTK contractor	For Gas purification and Gas Liquor separation, we intent to keep option of sourcing and supply the packages from the same Licensor with whom we shall be partnering for license agreement (one of the four approved licensors) or from approved package vendors. Please confirm.	Bidder may opt, however criteria specified under cl. no. 2.1.2 of PQC shall be met by the Package Vendor
52	PC217/E/001/P-II/SEC-2.0 Sheet 3 OF 9 PC217/E/4001/P-II/ SEC-4.1 Sheet 3 of 6	Raw Material, Product and Utility & Utility Specifications Batter limit Interfaces			Product Specifications and Battery Limits	Please provide Battery limit locations indicated on Layout drawings covering Battery limits for Coal, Fluxant, Oxygen, HP/MP/LP steam, Cooling water, LP/HP Nitrogen, Instrument Air, Demineralised water, Service water, Process water/Raw water, Drinking Water, Plant Air supply, Fire Water, LDO, Pre Treated Condensate, Power supply etc.	Bidder to indicate the location of the Utilities/Product/Feed at the battery limit of LSTK-1 based on its layout.

56	Layout drg. PC 217- 0000-0001 Rev P3				Preliminary layout of Coal based SNG plant	Request CGIL / PDIL to provide AutoCAD file of the Layout drawing.	Please refer to the attached PDF plot plan layout drawing. As AutoCAD files cannot be uploaded on the CPP Portal, the AutoCAD drawing will be provided separately to bidders upon request.
62						Area will be required for fabrication yard and storage of heavy outdoor equipment and also for the Labour colony of construction worker	same shall be discussed during detail Engineering However area for labour colony of construction worker will not be provided.
63	PART II: Technical	Corrigendum III Annexure-I Coal Analysis	Table - 1	2	Ash Content in coal analysis	<p>As per corrigendum-III, ash content is between 14.9% (after washing) ~18.4% (raw coal from mines).</p> <p>Tender specifications (Design Basis Clause 2.4 mentions Washed coal with 20% ash content&amp; performance of both PDC (plant running at 100% capacity) and EDC (plant running at 120% capacity) shall be ensured by LSTK-1 Bidder and penalty is applicable for non-performance.</p> <p>Please clarify which % ash content shall be taken for gasification design</p> <p>Do we need to consider ash content 14.9% ash for PDC &amp; 20% more for EDC.</p> <p>Delay in design of gasifier leads to delay D&amp; E in downstream equipment, process equipment, civil &amp; structural etc.</p> <p>Please clarify.</p>	<p>In line with washed coal analysis issued wide Corrigendum-III, Coal ash % Wherever "Ash Content upto 20%" is mentioned in the Tender document, shall be read as "Ash Content upto 18.4%".</p> <p>Accordingly Gasifier shall be designed for handling washed Coal with Ash Content upto 18.4% Air Dried Basis (average).</p> <p>For Guarantee Test Run Cases pls refer Section 8.0 of Tender Document considering Ash Content upto 18.4%.</p> <p>Necessary Corrigendum in this regard shall be issued.</p>

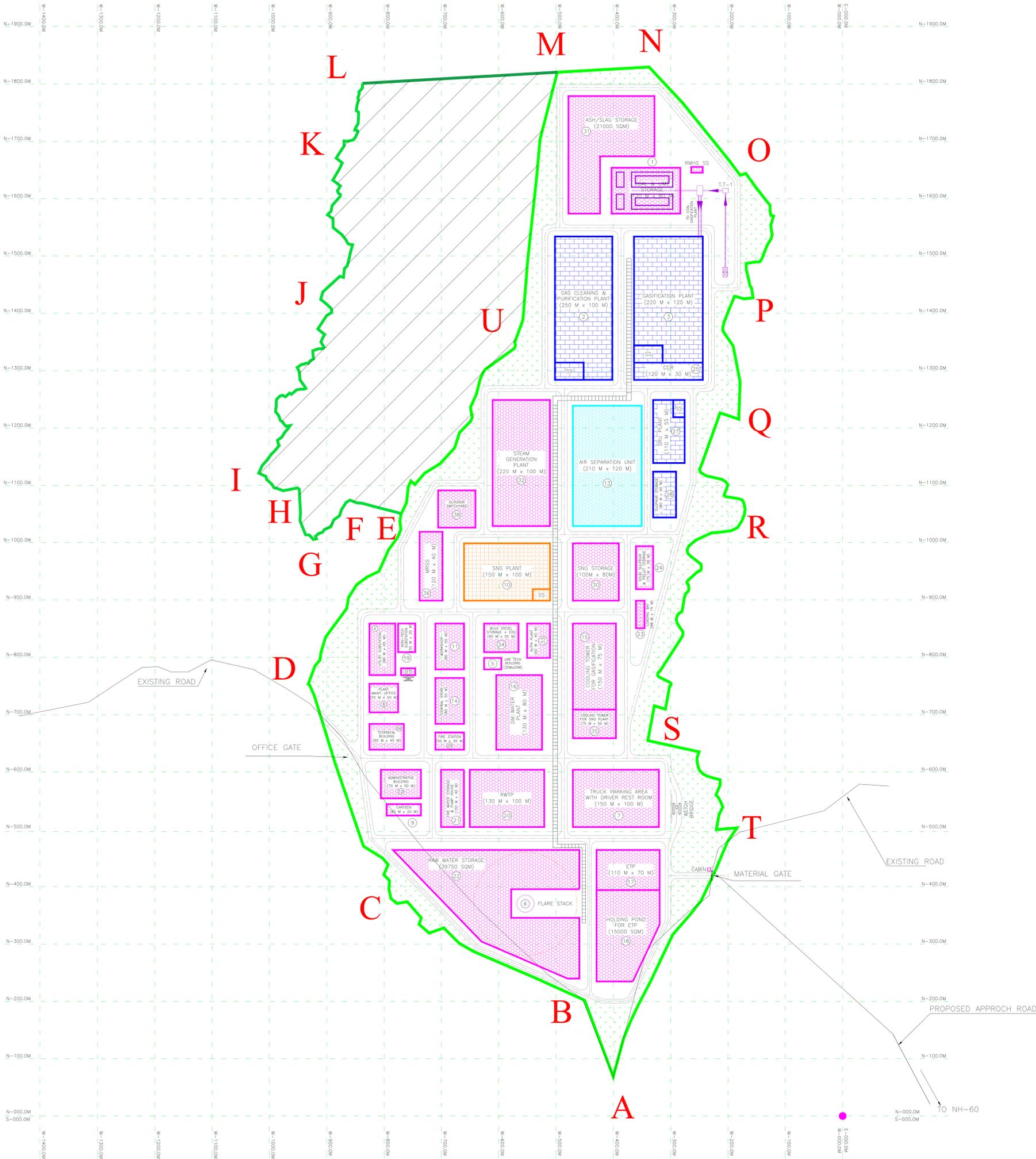


TABLE FOR FACILITIES/UNITS

SL.NO	BLOCK DESCRIPTION	SIZE IN METRE	REMARKS
1.	COAL & LIME STORAGE	120 M x 80 M	
2.	GAS CLEANING & PURIFICATION PLANT	250 M x 100 M	
3.	GASIFICATION PLANT	220 M x 120 M	
4.	OFFSITE & UTILITIES SUBSTATION	90 M x 45 M	
5.	LAB TECH BUILDING	30 M x 20 M	
6.	FLARE STACK	R 90M	
7.	TRUCK PARKING AREA WITH DRIVER REST ROOM	150 M x 100 M	
8.	PLANT MAINT. OFFICE	50 M x 50 M	
9.	CANTEEN	60 M x 20 M	
10.	SNG PLANT	150 M x 100 M	
11.	WORKSHOP	80 M x 50 M	
12.	ADMINISTRATIVE BUILDING	70 M x 50 M	
13.	AIR SEPARATION UNIT	210 M x 120 M	
14.	CENTRAL STORE	80 M x 50 M	
15.	COOLING TOWER FOR GASIFICATION PLANT	150 M x 75 M	
16.	DM WATER PLANT	130 M x 80 M	
17.	ETP	110 M x 70 M	
18.	HOLDING POND FOR ETP	15000 SQM	
19.	NON PLANT BUILDING SUBSTATION	50 M x 30 M	
20.	RAW WATER TREATMENT PLANT	130 M x 100 M	
21.	FIRE WATER STORAGE	100 M x 40 M	
22.	RAW WATER STORAGE	39750 SQM	
23.	LOADING BAY	48 M x 15 M	
24.	SOLID SULPHUR & PELLET STORAGE	75 M x 30 M	
25.	CENTRAL CONTROL ROOM	120 M x 30 M	
26.	TECHNICAL BUILDING	60 M x 45 M	
27.	SRU PLANT	110 M x 55 M	
28.	SULPHUR STORAGE	80 M x 40 M	
29.	FIRE STATION	50 M x 30 M	
30.	SNG STORAGE	100 M x 80 M	
31.	ASH/SLAG STORAGE	21000 SQM	
32.	STEAM GENERATION PLANT	220 M x 100 M	
33.	JA/PA PLANT	60 M x 40 M	
34.	BULK DIESEL STORAGE + EDG	60 M x 50 M	
35.	COOLING TOWER FOR SNG PLANT	50 M x 75 M	
36.	MAIN RECEIVING SUBSTATION	120 M x 40 M	
37.	CONSTRUCTION POWER SUBSTATION	25 M x 12 M	
38.	OUTDOOR SWITCHYARD	65 M x 65 M	

LEGEND :-

- OFFSITE FACILITIES
- LSTK-1 FACILITIES
- LSTK-2 FACILITIES
- LSTK-3 FACILITIES
- GREEN BELT AREA
- ADDITIONAL LAND AREA (FOR FUTURE ACQUISITION)

TOTAL LAND AREA = 190 ACRE (APPROX.)  
 TOTAL PLANT AREA = 156 ACRE (APPROX.)  
 GREENBELT AREA = 34 ACRE (APPROX.)  
 ADDITIONAL LAND AREA = 60 ACRE (APPROX.)  
 (FOR FUTURE ACQUISITION)

NOTE :-

1. BLOCK FACILITIES ARE INDICATIVE ONLY. THIS IS PRELIMINARY LAYOUT.

PRELIMINARY LAYOUT FOR DFR PURPOSE

REV.	DATE	DESCRIPTION	PPD.	CKD.	APPD.
P3	01.08.25	UPDATED AND ISSUED	Anil	AM/DR	PK
P2	24.07.25	UPDATED AND ISSUED	Anil	AM/DR	PK
P1	11.03.25	PRELIMINARY ISSUE	AS	AM/DR	PK
P	29.05.24	PRELIMINARY ISSUE	AS	AM	PK

CLIENT :	CGIL (JV OF GAIL AND CIL)	REV.	1/1/2025
LOCATION :	INDIA	SHEET	1 OF 1
TITLE :	PRELIMINARY LAYOUT OF COAL BASED SNG PLANT CAPACITY : 80,000 NM3/hr. SNG	SCALE :-	1 : 2500
		DRG. No.:-	PC217-0000-0001
		FILE :-	PC217-0000-0001_REV P3
		DRG. SIZE:	A0

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