

REPLIES TO PRE BID QUERIES LOT-5 Dated 25.03.2026
COAL GASIFICATION PLANT FOR GENERATING SYNTHETIC NATURAL GAS (SNG) AT BARDHAMAN

S.No.	NIT Part	Section	Page No.	Clause No.	NIT Specification	Bidder Query	PDIL/CGIL reply
1	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	5,6 of 9	3.8 & 3.9	Boiler Feed Water Under LSTK Contractor's Scope & Boiler Blow Down (Boiler CBD) Under LSTK Contractor's Scope	We understand that Boiler Feed Water & Boiler Blow Down is not under scope of LSTK-1 Bidder & is under other's scope. We request Client to please confirm the same.	DM water shall be provided by Owner at the battery limit of LSTK-1, Boiler feed water shall be under LSTK-1 Contractor's scope including CBD & IBD as required in the system
2	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	6 of 9	3.11	Process Water/ Raw water (after treatment) Under Owner's Scope (Tentative)	We request Client to please elaborate / explain in detail the term " Tentative" as the same is not clear to the bidder.	Parameters refereed above are indicative.
3	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	7 of 9	3.13	Pre-Treated Condensate Under LSTK Scope	We understand that Pre-Treated Condensate is not under scope of LSTK-1 Bidder & is under other's scope. We request Client to please confirm the same.	LSTK-1 contractor shall provide the condensate as per the Parameters mentioned at sl. No. 3.13 of Sec. 2.0(pg. 7 of 9) of Technical part of NIT any treatment required to match the quality parameters as specified at Sec. 2.0 shall be under LSTK-1 Contractor's scope.
4	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	8 of 9	3.16	LDO *(Light Diesel Oil)/ Natural Gas Fuel	We request Client to please confirm whether the same is under LSTK-1 bidder area or under others scope (other LSTK area).	Under LSTK-1 scope.
5	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	8 of 9	4.1	SPECIFICATION OF PRODUCT PURIFIED SYN GAS (CO+H2)	We request Client to please explain the difference between Purified Syn gas , Effective Syn Gas & Syn Gas.	<ol style="list-style-type: none"> 1. Purified Syn Gas is final gas going into SNG Section. 2. Effective Syn Gas is the Quantity of CO+H2 present in Syn. Gas at the Outlet of Gasifier. 3. Syn. Gas is defined as the Raw Syn Gas exiting the Gasifier comprising of all the Components Like CO, CO2, H2, H2O etc.
6	PART II: Technical	SECTION – 2.0 RAW MATERIAL, PRODUCT & UTILITY SPECIFICATIONS	8 of 9	4.1	SPECIFICATION OF PRODUCT PURIFIED SYN GAS (CO+H2)	We request Client to please confirm whether it is in LSTK-1 bidder scope.	LSTK-1 contractor shall be responsible to supply the purified syngas as per the parameters defined in the Tender document at the battery limit of LSTK-1 contractor.
7	PART II: Technical	SECTION – 3.0 CONTRACTOR'S SCOPE OF WORK	3 of 7	1.2(y)	BFW preparation is under the LSTK contractor's scope including De-aerator.	We understand that BFW is not being prepared in LSTK-1 . In LSTK-1 we are receiving in Battery Limit(B.L.) and returning it back at B.L. We request Client to please confirm the same.	In line with cl. 1.4 of sec. . 3.0 of Technical Part of NIT, DM water shall be provided by Owner at the battery limit of LSTK-1, Boiler feed water shall be under LSTK-1 Contractor's scope in line with cl. No. 1,2 of sec. . 3.0 of Technical Part of NIT including De-Aerator, CBD & IBD , etc, as required for preparation of BFW.

8	PART II: Technical	SECTION – 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 Licensor's proprietary item/equipment.	We understand that for proprietary items 2 vendors shall not be accepted. We request Client to please confirm the same.	Availability of two Vendors for proprietary item is to avoid dependency on a single source, mitigate supply & operational risks
9	PART II: Technical	SECTION – 3.0 CONTRACTOR'S SCOPE OF WORK	6 of 7	2.10	Arrange spare parts for start-up/ pre-commissioning / commissioning/ Sustain Load Test Run/ PGTR/ Six month supervisory operation of plants.	We assume that spare parts shall be recommended by LSTK-1 contractor and purchased by Client so that it is available before the start up. Please confirm.	refer cl. No. 2.20 (Pg 7 of 7) of Sec 3.0 & Cl. no. 1.0 (Pg 3 of 44) of Sec 10 of technical part of NIT
10	PART II: Technical	SECTION – 3.0 CONTRACTOR'S SCOPE OF WORK	6 of 7	2.18	HAZOP/HAZAN/SIL Study is under LSTK contractor's scope.	We request client to please explain what is HAZAN / SIL Study and the extent of HAZAN/ SIL/ HAZOP study.	HAZAN is identification of Hazard scenario during HAZOP. A SIL study is a risk-analysis process used in industries to check how reliable safety systems are.
11	PART II: Technical	SECTION – 3.0 CONTRACTOR'S SCOPE OF WORK	7 of 7	2.23	LSTK contractor shall arrange complete manpower including Licensor's manpower.	We request client to please explain / provide the definitions of Pre-Commissioning, Commissioning, Sustained Load Test Run, GTR.	refer cl.no. 1.2.17 ,1.2.18 , 1.2.19 & 1.2.20 of SSC of NIT and cl. No. 2.1.1 of sec. 8.0 of technical part of NIT.
12	PART II: Technical	SECTION – 4.0 DESIGN BASIS	4 of 17	2.2.7	Gasification Plant shall be designed for EDC case.	We request client to please confirm whether Plant Design is to be done for PDC case * 1.2	Gasifiers shall be designed for EDC case. Ref. Cl. No. 2.1.3 of Sec. 8.0 of Tech. Part of NIT. Further in the second last Paragraph of cl. No. 2.2.7 (pg 4 of 7) of se4c. 4.0 of Technical Part of NIT "...(110% purified syngas)" to be read as ".....(120% purified syngas)"
13	PART II: Technical	SECTION – 4.0 DESIGN BASIS	4 of 17	2.2.7	Upstream units/ equipments of Coal gasifier design basis.	Please clarify whether this is applicable for Coal & Flux handling only.	Yes. However, if, any other equipments is envisaged at Upstream of Gasifier, shall also be designed for same design Margin
14	PART II: Technical	SECTION – 4.0 DESIGN BASIS	8 of 17	2.4	Variation in coal analysis as per Annexure-I.	What is the possible variation as per Annexure-I ash content of raw coal is 24.3% and with clean -1 it is 17.1%.	Refer Corrigendum No.1 Technical
15	PART II: Technical	SECTION – 4.0 DESIGN BASIS	8 of 17	2.4.1	Storage for solid Sulphur will be an open pit.	Open pit for SRU is in LSTK-1 Bidder scope. Please confirm.	Confirmed Pit is in LSTK-1 Bidder's scope
16	PART II: Technical	SECTION – 4.0 DESIGN BASIS	8 of 17	2.4.3	Storage of Alkali and Acid.	We understand that this is in LSTK-1 bidder scope. Please confirm.	Bidder understanding is correct
17	PART II: Technical	SECTION – 8.0 PERFORMANCE & GUARANTEE TESTS	8 of 14	1.6.6	Effluent from Coal Gasification Plant.	Please confirm whether whole Effluent system for gasification area is in LSTK-1 contractor scope or only effluent liquid to be transported to effluent treatment area.	LSTK-1 Bidder shall provide effluent at the Battery limit of LSTK-1 for further treatment in the OSBL ETP.
18	PART II: Technical	SECTION – 8.0 PERFORMANCE & GUARANTEE TESTS	8 of 14	1.6.7	Quality of Steam produced in Gasification Plant.	LSTK-1 Contractor is not producer of Steam in the Gasification process. Owner to supply HP/LP steam as per specific requirement. Please confirm	Steam as per parameters defined under Sec. 2.0 of Technical NIT shall be provided by Owner, Bidder to indicate the requirement of steam and other utilities inline with sec. 13 of Technical part of NIT in its Bid.

21	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	3 of 23	2.0	Fluxant/Limestone from mines shall be received at surface truck/dumper unloading station/system through truck/dumper.	Please furnish us the specifications i.e. capacity, size etc. of truck/dumpers used for conveying coal/limestone from mine to unloading station.	Bidder to consider variable size truck/dumper of upto 30 MT payload capacity.(to be discussed with client)
22	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	3 of 23	2.0	Fluxant/Limestone from mines shall be received at surface truck/dumper unloading station/system through truck/dumper.	We understand that the trucks / dumpers are self-tipping type. Please confirm.	Bidder to design the surface unloading system for both type - tipping facility for normal truck as well as to handle self tipping dumper.
23	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	8 of 23	5.1	Conveyor drive shall be directly coupled through suitable helical gear box	We understand that conveyor drive shall have Motor-fluid coupling/flexible coupling-Gear box-Geared coupling. Traction type fluid couplings shall be provided for both HT and LT motors. Please confirm	Bidder's understanding is correct.
24	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	10 of 23	5.1 Sr. no. 26	Space provision & civil load for conveyor at Transfer Tower	We would like to discuss and understand for better clarity	Noted
25	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	10 of 23	5.1 Sr. no. 27	Space provision & civil load for belt conveyor to SGP	We would like to discuss and understand for better clarity	Noted
26	PART II: Technical	SECTION – 5.3.4 DESIGN PHILOSOPHY- SOLID MATERIAL HANDLING	10 of 23	5.1 Sr. no. 32	Specification of stacker & reclaimer shall be same/synchronizing	One reversible Stacker-cum-Reclaimer (SCR) is proposed in place of separate stacker and reclaimer. Please confirm.	Bidder to consider separate stacker and reclaimer as per ITB
27	Part-II	SEC-1.0	7 of 9	2.3.2	Service water system description	Bidder presumes service & potable water pumps are not in LSTK-1 scope. Please confirm.	In line with cl. No. 1.4 of sec. 3.0 of Technical Part of NIT, all utilities under Owner's scope shall be provided at LSTK-1 battery limit. Distribution inside LSTK-1 area shall be by LSTK-1 Contractor.
28	Part-II	SEC-1.0	7 of 9	2.3.2	Raw water supply from Damodar River	Bidder presumes pre-treatment of raw water is not in LSTK-1 scope. Please confirm.	Treatment of raw water is not in LSTK-1 Contractor's scope.
29	Part-II	SEC-1.0	7 of 9	2.3.9.1	Ash Handling System	Bidder understands ash handling system is in LSTK scope, disposal by owner. Please confirm.	Bidder's understanding is correct.
30	Part-II	SEC-5.3.4	21 of 23	6.0	Dust control system	Bidder proposes dust suppression and extraction systems at various locations. Please confirm.	Confirmed.

31	Part-II	SEC-5.4	28 of 82	5.34–5.36	Air pressurization & ventilation	Bidder considered dry type pressurized ventilation system. Please confirm.	Dry Type Air Pressurization System is required for maintaining positive pressure and for preventing ingress of hazardous/flammable gases inside Electrical Substation. However, a separate independent local HVAC system is also required for temperature and humidity control inside Electrical Substation. Both systems are different and are required on N+1 redundancy as per Sl. No. 5.14 of Design Philosophy- Electrical of NIT.
32	Part-II	SEC-2.0	8 of 9	3.15	Fire water header connection	Bidder has not considered booster fire pumps or tanks. Please confirm.	Distribution of fire water within LSTK-1 shall be by LSTK-1 Contractor.
33	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 & 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 & 20% more for EDC.</p> <p>Delay in design of gasifier leads to delay D& E in downstream equipment, process equipment, civil & structural etc.</p> <p>Please clarify.</p>	Refer Corrigendum No.-IV

34	Part-II Technical	8.0 Performance & Guarantee Tests	4 of 14	1.1.3	LSTK Contractor shall furnish all data as per Attachment-1 and shall guarantee the Total Works Costs per day for generating Syn. Gas (CO+H2)(3,36000 NM3/hr) required for production of Synthetic Natural Gas meeting the quality and conditions in the following manner:	The rates mentioned in table of Clause 1.1.3 of Works cost shall be applicable for both Evaluation as well as Guaranteed Works Cost. Please confirm	The rates mentioned in the Works Cost shall be used to calculate the Specific Works Cost based on Which Price evaluation shall be done
36	PART-II, TECHNICAL	PC217/E/001/P- II/SEC-1.0 PROJECT DESCRIPTION	4 of 9	1	Based on the lowest LSTK bidder's price, Detailed Feasibility Report (DFR) will be finalized. Subsequently, a decision will be made to place the order with the lowest Lump Sum Turnkey (LSTK) bidder for the execution of the project on single point responsibility basis.	Please confirm whether statutory, environmental, and commercial clearances from the competent authorities have been obtained?	Environmental Clearance (EIA) will be in the Owner's scope, and the required clearance shall be obtained prior to the award of the LSTK-1 contract
37	PART-II, TECHNICAL	PC217/E/001/P- II/SEC-1.0 PROJECT DESCRIPTION	4 of 9	1	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	Refer SI. No 04, Reply to Pre Bid Query Lot-3
38	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 Contractor to ensure the availability of More than Two Vendors wherever possible
39	PART-II, TECHNICAL	PC217/E/001/P- II/SEC-4.0 CLIMATIC DATA	17	7.7	Plant Elevation	Request to provide the FFL & FGL for the plant area	Suitable corrigendum will be issued-
40	PART-II, TECHNICAL	PC217/E/001/P- II/ SEC-5.5 Grading	7	1.3	Fairly graded land site shall be provided to the CONTRACTOR	Request to provide site levelling and grading drawings showing the levels of each area	Suitable corrigendum will be issued-
41	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.	Refer SI. No 56, Reply to Pre Bid Query Lot-3

42		SECTION – V (SCC)		1.2.2.1	CONTRACTOR shall procure in the name of Owner non-exclusive, non- transferable rights, irrevocable License and know-how to practice its process in the PLANT, to produce products and to sell products anywhere in the world and/or use the products for any purpose it deems fit, throughout its life. The aforesaid license so procured by the CONTRACTOR shall be without any additional and/or recurring cost to OWNER and shall be valid for the life of the PLANT consistent with the terms of the CONTRACT.	indly confirm if the life of the plant for determining license validity. Share the format for tripartite agreement among Owner, Licensor, and Contractor and shall be signed after issuance of LOA?	Refer Sl. No 26, Reply to Pre Bid Query Lot-2
43					Purified Synthesis Gas (As per composition mentioned at Section -2): Continuous Normal requirement: 336000 NM3/hr (100%) Maximum requirement: 369600 NM3/hr (110%) Minimum requirement: 168000 NM3/hr (50%)	Maximum requirement of 110% is not matching with EDC requirement of 120%	In line with cl. No. 2.1.3 of Sec. 8.0 of NIT, 110% & 50% shall be considered under demonstartion Run case, accordingly the Gasification plant shall be designed for 120% i.e. EDC case.
44		Part II Section 4, 5.1 of Technical Specification1.pdf pg. no.40	40	4.5.1	Implement recommendations of EIA Report & Risk Analysis Report.	Please furnish the recommendation of EIA Report & Risk Analysis Report	Environmental Clearance (EIA) will be in the Owner's scope, and the required clearance shall be obtained prior to the award of the LSTK-1 contract
45		Part II Section 5.4, 1.17 of Technical Specification1.pdf pg. no.733	733	1.17	Control &Protection for outgoing feeders of 11 kV Switchboard at Owner substation to LSTK Contractor Switchboard (Intertripping, Cable Protection etc.)	Power Source, Voltage level, Distance from proposed site/Battery limit required. We have presumed 11kV Power at Purchasers 11kV Board. Please clarify whether separate sub 11kV Distribution board with all control & protection is to be considered by bidder.	Please refer Sl. No. 1.5 of Design Philosophy-Electrical of NIT which clearly states that 2 Nos. 33 kV Feeders (for normal power supply) and 1 No. 11 kV Feeder (for emergency power supply) shall be provided by Owner at 33 kV GIS and 11 kV Emergency Switchboard respectively in Main Receiving Sub-Station (MRSS). Distance in the range of 800-900 Mtrs. may be tentatively considered between MRSS and LSTK-1 (Gasification) Package Battery Limit in line with plot plan attached with the NIT. Further downstream distribution considering 33 kV GIS / ICOG and 11 kV Switchboard shall be LSTK Bidder's responsibility. Refer note mentioned under Sl. No. 1.4.1, Point No. c of Design Philosophy-Electrical of NIT.

46						<p><u>Approval regarding supplies from country bordering India.</u> PDIL is understood to have taken approval for all the four Licensors, shorlisted by them, for supply of the gasification unit which may come from China Does the bidder have to take approval separately for the following or the approval is already taken by PDIL. > For any of the supplies from China other than the gasification unit of the LSTK1 tender</p>	<p>LSTK Bidders/Licensors must comply Guideline for procurement from a country sharing a land border with India</p>
47						<p><u>Works Cost;</u> Consumption figures indicated in the works cost table belong to all the units - Gasification, Purification, SRU, Coal Preparation etc. These figure have to be taken from all the individual Licensors/Vendors and combined. Each Licensor/Vendor can be held accountable for his respective figures. In such case, it may be difficult to implement and compile the total consumption figures.</p>	<p>It is the responsibility of the LSTK-1 Contractor to integrate the different section inside LSTK-1 scope and configure the etire LSTK-1 package.</p>