

NIT NO : PNMM/PC-217/E/001 REPLY to PRE BID QUERIES Lot-1

SL NO	NIT PART	SECTION	PAGE NO	CLAUSE NO	NIT SPECIFICATION	Queries	OWNER/PDIL Reply
1	PART-II, TECHNICAL	PC217/E/001/P- II/SEC-1.0 PROJECT DESCRIPTION	4 of 9	1.0	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.	If the Detailed Feasibility Report(DFR) is yet to be prepared, kindly clarify the basis on which the project objectives and key parameters have been defined in the EOI and Pre-Tender Meeting document?	Project objectives and key parameters have been defined based on the Pre-Feasibility study Report Prepared by PDIL and subsequent discussion with Owner & Consultant
2	PART-II, TECHNICAL	PC217/E/001/P- II/SEC-1.0 PROJECT DESCRIPTION	4 of 9	1.0	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?	shall be provided later
3	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.	If the DFR itself depends on the lowest LSTK bid, please clarify what baseline or reference parameters bidders should adopt for their technical and commercial proposals in the absence of an approved DFR?	Parameters already defines in the Tender document
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	shall be provided later
5	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.	As PDIL is indicated to be preparing the DFR while the same DFR is to be finalized based on the LSTK bidder's price, please clarify the division of responsibility between PDIL and the LSTK contractor in defining project scope, specifications, and design criteria?	PDIL is appointed as Pre- award PMC . Project scope, specifications, and design criteria will remain the same as defined in the tender document.
6	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-1.0 PROJECT DESCRIPTION	6 of 9 Note 1. b	2.2	OWNER / PMC specialist shall be deputed to licensor's office for an extended duration to ensure that the BDEP received is complete in all respect and without any data inconsistency. OWNER / PMC shall participate during PFD, Process datasheet and P&ID review at licensors offices including review of BDEP prepared by process licensor	All the cost being incurred for deputing OWNER / PMC specialist shall be borne by the owner?	Cost related to Travel and stay shall be by Owner
7	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-1.0 PROJECT DESCRIPTION	7 of 9	2.3.2	Drinking and Service water system Water requirement will be made available from Damodar River through pipeline of 13 Km length from site. Pre-treatment of raw water has been considered for process use.	Pumping, storage and pre-treatment of water - Not in LSTK - 1 bidder scope.	Yes, Raw water Treatment package shall be by different Package Vendor.
8	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	3 of 7	1.2 L & M)	four nos. dumper of 40 Tonne capacity each. Two nos. Pay Loader of 5 ton capacity each.	Request to remove the scope of supply from LSTK-1 Bidder scope being an Opex Equipment.	Bidder to consider as per NIT This will remain in the scope of LSTK-1 bidder and the bidder is to quote accordingly.
9	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	3 of 7	1.2 Q	Chemical laboratory building along with instruments & laboratory chemicals for a period of six month from completion of Sustained load.	Please provide the list of laboratory chemicals required to consider by bidder.	Bidder to consider based on the selected technology and plant configuration Plant Bidder is to consider chemicals based on the selected technology and Configuration Plant plan
10	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	4 of 7	1.2 Y	BFW preparation is under the LSTK contractor's scope including De-aerator.	Shall be under Owner scope.	Shall be as per Tender i.e Under LSTK's scope. Contractors
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?	shall be provided later
12	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	5 of 7	1.4 Note-2	Following raw material & utilities shall be made available to the LSTK contractor at one point of Coal Gasification Plant Battery Limit, 3 months prior to the end of Mechanical Completion period for pre-commissioning by owner at Coal Gasification Plant B.L. However, required utilities prior to this period will be arranged by LSTK contractor.	Request Customer to arrange the utilities (to be made available by the owner), at one point of Coal Gasification Plant Battery Limit during the time of site mobilisation.	Shall be as per Tender
13	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	5 of 7	1.4 Note-3	Slag/ Slag fine/ Flyash generated from the Gasifiers shall be transported suitably from Gasification area to the dedicated adjacent Slag/ Slagfine/ Flyash pond/ storage area within Battery Limit of the Complex or for direct dispatch outside by LSTK contractor for further evacuation by the Owner.	LSTK contractor shall be liable for providing system for transportation / conveying of Slag/ Slag fine/ Flyash to the dedicated adjacent Slag/ Slagfine/ Flyash pond/ storage area within Battery Limit of the Complex as per the NIT / layout. Direct dispatch / disposal of Slag/ Slag fine/ Flyash / other residual outside of battery limit shall not be under LSTK contractor scope.	Disposal outside LSTK battery limit shall be under Owner's scope
14	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	5 of 7	1.4 Note-4	LSTK Bidder shall collect data on Coal sizing and detailed specifications as mentioned in Annexure-II of Section 4.0 of Part-II Technical	has Owner already conducted the coal analysis and the shortlisted Gasification Licensors have confirmed the suitability and proved the performance of their respective technologies for the specified washed coal from Raniganj Coalfields? Share the latest Ultimate and Proximate Analysis of Coal and Ash ??	Washability and Characterization Study of Coal from following Coal field are attached for needful: a) Jhanjra b) Sonepur Bazari of Raniganj CF. c) South Karanpura CF suitable ammendment shall be issued.
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?	shall be provided later
16	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	5 of 7	1.4 Note-10	LSTK Contractor shall also submit the Isometric & 3D modelling as part of the technical package to Owner	During Detail Engineering after order or contract.	Bidder understanding is corret
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	shall be provided later

18	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.	Any reconciliation / consumption of the materials provided shall be done based on the mutually agreed procedure	shall be provided later
19	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	6 of 7	2.16	Total painting including special paints, color coding, insulations, refractory, CS / S.S. name plates etc. as per applicable standards.	Painting shall be as per the recommendations from respective OEM / Technology provider.	Bidder to follow the Tender wherever applicable
20	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	6 of 7	2.17	Any other work not specifically mentioned above but required for completeness of the plant shall be undertaken by the LSTK Contractor.	If any additional work/equipment/ service need to be provided, which is not specifically mentioned in final contract or agreement shall be considered as change order requirement. A separate agreement / order shall be issued as per the agreement or based on the agreed change order procedure.	It will be the responsibility of LSTK contractor to consider any work whether mentioned specifically or not but essential for plant completeness of the plant
21	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	7 of 7	2.20	LSTK contractor shall supply the spares, lubricants, chemicals and other consumables in the LSTK price for the six months after Guarantee Test Run in addition to the Pre-commissioning/ Commissioning/ Sustained Load Test Run spares and consumables. Quantity of spare, lubricant, chemicals & consumables shall be based on 100% plant operation. For subsequent two year requirement, LSTK contractor to provide the list along with price of recommended spares and consumables. However, price is not to be included in the lump sum price.	Request to remove the scope of supply of spares, lubricants, chemicals and other consumables in the LSTK price for the six months after Guarantee Test Run from LSTK contractor. The owner shall take necessary action to supply these items based on the O&M Manual / operational requirement.	shall be undertaken by the LSTK Contractor
22	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	7 of 7	2.22	LSTK contractor shall arrange complete manpower including Licensor's manpower mutually agreed by Owner, Licensor & LSTK Contractor for Pre-Commissioning/ Commissioning/ Sustained Load Test Run/ GTR and Operation & Maintenance.	LSTK contractor shall provide manpower for Pre-Commissioning / Commissioning / Sustained Load Test Run/ GTR. LSTK contractor shall provide the supervisory service during operation for plant. Any Manpower for Operations & Maintenance (Skilled / Semi-Skilled/ Un-skilled) shall be arranged by the owner.	As per NIT
23	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-3.0 CONTRACTOR'S SCOPE OF WORK	7 of 7	2.27	Six month Chemical, Consumables, Calibration Gases, and any other Consumable for Laboratory shall be in LSTK Contractor's Scope.	Request to remove the scope of supply of Six-month Chemical, Consumables, Calibration Gases, and any other Consumable for Laboratory from LSTK Contractor's	As per NIT
24	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-4.0 DESIGN BASIS	8 OF 17	2.4.1	Sulphur storage: Offsite storage facility (shaded with proper concrete dyke) shall be provided by LSTK CONTRACTOR. Provision of space for future installation of full capacity Pastillation Unit shall be considered:	Bidder presume the future installation shall be of similar capacity of the proposed plant	Bidder understanding is correct
25	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	156 of 319	17.2 Box culverts	The box-culverts are to be provided across the roads These box-culverts shall be of either complete reinforced cement concrete construction or brick masonry and reinforced cement concrete construction as specified in the schedule of items. The box-culvert construction shall be carried out as per the approved drawings.	Please clarify whether RCC or Brick masonry to be considered in our Civil Cost estimation as there is difference between both types of constructions (RCC or Brick masonry). As such no schedule of items has been provided in tender.	Shall be of RCC suitable corrigendum will be issued
26	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	247 of 319	18.00.00 Storm water Drains	The open storm water drains shall be of the size and laid to such gradients and in such locations as may be shown in the approved drawings or as directed by the Engineer-in-Charge...	There is no clarity in the specification specifically pertaining to Storm water drains whether it will be RCC construction of Brickwork. Whereas under page 56 of 319, regarding drains within process units it is clearly mentioned that it shall be collected in open rectangular RCC drains. Request to clarify.	Shall be of RCC suitable corrigendum will be issued
27	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	63 of 319	2.13 Hard Surfaces	Hard surface of PCC 1:3:6, (100 mm thick) over suitable bedding (brick / stone soling) Shall be provided below all new pipe tracks and / or extended portion of existing pipe Tracks (if any). This shall extend 600 mm on one side for track width less than 6 m, and 900mm On either side for pipe track having width 6 m or more, end it shall have approach @ 500 M c/c from nearest road.	This seems to be unique requirement which is not a general practice followed. This will involve additional cost implication. Request Client to kindly relook into the same and re confirm.	NIT CONDITION PREVAILS
28	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	63 of 319	2.14 Removal / Rerouting of Obstructions	All underground or above ground structures / foundations which will cause obstruction to new structures / foundations, and which can be removed without disturbing any functions of the existing structures if any, shall be removed by the Contractor	Bidder presume that NIT Part-I Commercial, general conditions of Contract clause no 57 (Underground Structures) will hold good for Underground structures removal. Please confirm. As regarding overground structures removal, there is no such clause mentioned anywhere nor about compensation or time extension. though under this clause Contractor is being asked to remove the same if not functional. Bidder request Client to provide complete details for the overground structures to be removed which is non function for estimating the correct cost or else Bidder request Client to remove such structures on their own and provide levelled ground to Bidder / LSTK -1 contractor.	it may be noted it is a green field project and hence no major existing structure/facilities envisaged. However if any minor hindrance/obstacle is encountered and same shall be taken care in the contractor scope
29	PART-II, TECHNICAL	Section 5.5 Design Philosophy Civil & Structural Works	63 of 319	2.14 Removal / Rerouting of Obstructions	All existing underground or above ground facilities requiring rerouting due to fouling with new facilities shall be rerouted by the Contractor in such a manner that rerouted facilities keep on functioning as before.	As regarding rerouting, Bidder requests Client to provide all the relevant drawings for the structures overground / underground to be rerouted as it is difficult for LSTK-1 contractor to access the quantum of work involved or else any rerouting / dismantling etc shall be on mutually agreed cost and accordingly time extension to be provided in such cases. Please clarify.	it may be noted it is a green field project and hence no major existing structure/facilities envisaged. However if any minor hindrance/obstacle is encountered and same shall be taken care in the contractor scope
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.	shall be provided later
31	PART-II, TECHNICAL	PC217/E/001/P-II/SEC-4.0 CLIMATIC DATA	17	7.4	Rainfall	Please provide the drainage data if any drainage study is done for this site.	Bidder may collect these data from meteorological department.
32	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.

33	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Soil Investigation	6	1.1		Request to provide the preliminary soil investigation report if there is change in the layout.	Preliminary soil investigation report is already attached with NIT, However successful bidder has to carry out soil investigation afresh for detailed engineering.
34	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Topographical / Contour Survey	7	1.2		Request to share the preliminary survey drawing & report.	Already attached after the civil & structural works section 5.5
35	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.
36	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Sewage Disposal Scheme	9	1.9	The CONTRACTOR scope is to provide proper underground drainage system for sewage disposal and its connection to Common Sewage treatment plant for whole complex.	It is requested to clarify that the sewerage system to be provided for the area with in battery limit.	The sewerage system to be provided for the area with in battery limit, and its connection to Common Sewage treatment plant for whole complex.
37	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Scope of work in outside battery limit (OSBL) Area	11	1.2	Scope includes work in OSBL area, if required, such as pipe racks, local platforms, local supports, road crossings / culverts from tie-in points to new units.	Request to furnish the Number of road crossings/culverts that need to be done beyond the battery limit.	Scope includes work in osbl area, if required, such as pipe racks, local platforms, local supports, road crossings / culverts from tie-in points to new units. shall be in bidder scope
38	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Site Planning & Landscaping	26	2.2.5	Landscaping to be done for areas around control room and technical lab building within bidder's battery area excluding hard paved area. Such treatment shall generally consist of lawns, road side plantation and beautification of building entrance areas. Standard landscape elements such as earth contours, paving, flower beds, hedges, shrubs, ground cover and ornamental trees shall be incorporated in landscape treatment. Necessary water supply / sprinklers shall also be provided. Wherever required, Grass for landscaping shall be "Selection Grass".	It is assumed that Landscaping to be done for areas around control room and technical lab building. Landscaping along the roads shall not be in bidder's scope of work.	Bidder understanding is correct
39	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 Disposal of Storm Water	57	2.5.7	Storm water drains shall not be combined with oily waste sewer / CRWS/combined sewer system, etc. For disposal of storm water references shall be made to the 'scope' document.	Request to provide the location of point of disposal	Nit condition shall prevail, same shall be decided & finalized by contractor during detailed engineering phase in consultation with owner/pmc.
40	PART-II, TECHNICAL	PC217/E/001/P-II/ SEC-5.5 CONSTRUCTION	14	3.1.11	Rain water harvesting is mandatory for buildings like control room, operator room, view room, change room & check room, security building, maintenance building, canteen, laboratory building etc.	It is assumed that approval of harvesting scheme from the central ground water dept shall be taken by owner	NIT condition shall prevail
41	PART-II, Technical	PC217/E/001/P-II/ SEC-5.5 Design Philosophy Civil & Structural Works	207-208 of 319	2.00.00 General & 3.00.00 Road work	2.00.00 - All road shall be designed in accordance with IRC 37 (Latest). 3.00.00 - Road Work shall be carried out generally in accordance with the provisions laid down in Section-16 of latest CPWD Specifications and relevant publications of Indian Road Congress for road specifications	Bidder requests Client to clarify whether to follow IRC-37 latest or section -16 of CPWD specifications for the design of roads.	Design shall be inline with irc, nit condition shall prevail.
42	PART-II, Technical	PC217/E/001/P-II/5.3.3 DESIGN PHILOSOPHY – ROTATING EQUIPMENTS	6 of 18	3.1.2	Copper (Cu) or Cu-alloy to be avoided for any components in Ammonia Plant & in other plant for ammonia services.	We request to accept copper MOC for HVAC equipments as HVAC being non process applications.	NIT to be followed
43	PART-II, Technical	PC217/E/001/P-II/5.3.3 DESIGN PHILOSOPHY – ROTATING EQUIPMENTS	6 of 18	3.1.3	All pumps shall have Mechanical Seals. Single seals will be used in most cases, however, for ignitable or hazardous fluids, double, or Inside Wet and Outside Dry running seals will be used. Non-process/ non-critical pumps shall also have mechanical seal	As per bidder understanding, mechanical seal is not suitable for few pumps like such as reciprocating pumps, metering pumps, vertical centrifugal pumps with a lot of solid components. Packaging seals can be considered. This can be reviewed and finalized in detail engineering stage. Please confirm.	NIT to be followed. However, if any limitations, same shall be discussed & finalized during detail engg stage subject to owner's review & approval
44	PART-II, Technical	PC217/E/001/P-II/5.3.3 DESIGN PHILOSOPHY – ROTATING EQUIPMENTS	7 of 18	3.1.6	Coast down tank shall be provided in the Lube Oil System. Lube oil system shall have Main oil pump, auxiliary oil pump and emergency oil pump with power back-up arrangement.	As per bidder understanding, coast down tank shall not be applicable for following cases 1.If the rotary equipment is set with shaft end oil pump 2.If the OEM has other proven method of design. Please confirm	NIT to be followed
45	PART-II, Technical	PC217/E/001/P-II/5.3.3 DESIGN PHILOSOPHY – ROTATING EQUIPMENTS	7 of 18	3.2.6	Tip speed of the impeller shall not exceed 310 m/s.	The limiting speed of 310 m/sec is applicable to single shaft centrifugal compressors. For integral centrifugal compressors as per API 617, higher tip speeds inherent to such designs are also acceptable. Please confirm.	NIT to be followed. However, if any limitations, same shall be discussed & finalized during detail engg stage subject to owner's review & approval
46	PART-II, Technical	PC217/E/001/P-II/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.	shall be provided later
47	PART II TECHNICAL	SECTION 1 - PROJECT DESCRIPTION :- ANNEXURE - I (SHEET 9 OF 9)	12 / 1178	--	SECTION-1 - PD - ANNEXURE I	COAL QUALITY ANALYSIS DATA IS NOT PROVIDED, SO THE DESIGN CANNOT BE PERFORMED EFFICIENTLY. THE COAL DATA PROVIDED UNDER ANNEXURE-I IS INSUFFICIENT AS WELL TO CONCLUDE ON THE BEST CGP DESIGN. SO KINDLY PROVIDE THE WASHED COAL PROXIMATE AND ULTIMATE ANALYSIS FOR THE DESIGN COAL RANGE (MIN ASH TO MAX ASH OF 20%) AS STIPULATED UNDER THE RFQ.	Washability and Characterization Study of Coal from following Coal field are attached for needful: a) Jhanjra b) Sonapur Bazari of Raniganj CF. c) South Karanpura CF suitable amendment shall be issued for the washed coal proximate and ultimate analysis for the design coal range (min ash to max ash of 20%) .
48	PC217/E/001/P- II/SEC-1.0 Sheet 4 OF 9	Clause 1.0 Introduction			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.	Intent of this clause which specifies that ".... Subsequently, a decision will be made to place order....." is not very clear. Request CGIL / PDIL to clarify the modality that would be followed to place assured order of L1 bidder	Selection of LSTK Bidder based on lowest Lump Sum Turnkey including work cost Guarantee as stipulated in Clause 1.0 Introduction

49	PC217/E/001/P- II/SEC-1.0 Sheet 5 OF 9	2.2 Process Technology: Coal Gasification			Based on the EOI Coal Gas India Limited have shortlisted the following Gasification Licensors. Accordingly, the process for coal gasification shall be based on any of the following Technology: a) M/s Air Products and Chemicals Inc (APCI), USA. b) M/s Choren Industrietechnik GmbH, Germany c) M/s China Petrochemical Tech Co. Ltd (SinopecTech), China d) M/s Zhongshi Chemical Engineering Constructon Co. Ltd, China	Request you clarify the Intent of this clause 1) Is the technology of the Licensor, approved by PDIL will be same as that they adopted in the plant of reference, given in the tender document? 2) Is the technology of the four Licensor same?	shall be provided later
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.	shall be provided later
51	PC217/E/001/P- II/SEC-1.0 Sheet 8 OF 9	2.3.8 Sulphur Recovery Unit (SRU) & Sulphur Storage			In Sulphur storage area provision for future installation of Pastillation unit shall be considered.	It is considered that space provision shall be considered at storage area for future installation of Pastillation Unit and no other provisions to be kept at this stage. Please confirm.	for future installation of Pastillation unit provision in sulphur storage area to be kept.
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.	shall be provided later
53	PC217/E/001/P- II/SEC-4.0 Sheet 12 OF 17	4.0 Elfluents from Coal Gasification Plant			Contractor will provide primary treatment and indicate composition and quantity of effluent at the B.L. of their system for further treatment at Owner's ETP.	It is considered that LSTK contractor will indicate the Parameters of preliminarily treated effluents at Battery limit and further treatment will be in the scope of CGIL. Please confirm.	Bidder Understanding is correct
54	PC217/E/001/P- II/SEC-4.0 Sheet 17 OF 17	7.7 Plant Elevation			The final plant elevation shall be established in consultation with owner / consultant based on overall project requirement.	Final plant level shall be defined by CGIL / PDIL as the same will have cost implications in Cutting & Filling. This can not be open point for finalization at later stage	Same shall be provided shortly with suitable corrigendum will be issued
55	PC217/E/001/P- II/SEC-1.0 Sheet 6 OF 9	Notes: 1 Licensor Interface & Coordination			OWNER / PMC specialist shall be deputed to licensor's office for an extended duration to ensure that the BDEP received is complete in all respect and without any data inconsistency. OWNER / PMC shall participate during PFD, Process datasheet and P&ID review at licensors offices including review of BDEP prepared by process licensor. Bidder shall directly deal with the Licensor for Fee and other commercial aspects	We request that timelines / Duration for review of BDEP by Owner /PMC should be defined in order to consider in cost estimates. With extended durations / without specific duration set for reviews, it would be difficult for LSTK contractor to estimate.	Bidder to decide a suitable time in consultation with Licensor.
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.	shall be provided later
57	Technical Specification1	2.2.7 Gasifier Configuration			The technical proposal from the bidders shall be based on following two design cases: 1. Plant Design case (PDC case) 2. Equipment Design Case (EDC case) EDC design case has been specified with 20% overdesign margin on PDC case. Gasification Plant shall be designed for EDC case	Please elaborate.	Process design case is the Normal operating condition at which plant shall operate, however all the equipment shall be designed for EDC case.
58						What is the provision for availability of emergency utilities under black out scenario.	During construction Bidder to take care of emergency power.
59						Please furnish the supplier of emergency load shedding procedure to take care in design and to address with licensor.	As the subject plant does not envisage in-house captive power plant consisting of GTGs/STGs and complete power for the plant is being proposed to be sourced from 2 Nos.
60						What is the provision for carrying of vent gases to owner's centralized flare system.	LSTK-1 contractort shall provide the same at its Battery limit with all the Parameters such as Flow Rate , Temp, Pressure, composition
61						In whose scope the supply and engineering of interfacing of all the system like utilities etc. at the battery limit.	shall be provided later
62						Area will be required for fabrication yard and storage of heavy outdoor equipment and also for the Labour colony of construction worker	shall be provided later