

REPLIES TO PRE BID QUERIES LOT-1 DATED 17.05.2026
AIR SEPARATIO UNIT TO BE DEVELOPED BY BOO PROCESSOR TO GENERATE OXYGEN AND NITROGEN FOR
COAL GASIFICATION COMPLEX AT BARDHAMAN
PNMM/PC-217/E/002 dated 31.12.2025

Sr No	Reference Document	Pg No	Clause No	Item Description as per RFQ	Bidder/Seller Query	PDIL /OWNER's Reply
1	Part II Technical	8	2.2	Air Separation Unit (ASU) shall be designed for extra margin of 20% to compensate adverse weather and climatic conditions particularly in summer season	Please clarify which mode will be considered for performance guarantee test - 100 % Design capacity or 120% of design capacity of ASU. Designing the plant for 20% extra will be like always running the plant in turndown (100% design case) which is not an effecient mode of operation. Instead of designing the plant to 120% capacity it is advisable to use the backup system to support the additional Oxygen/Nitrogen requirements if this is for a short period	refer corrigendum V
2	Part II Technical Sec 1.4 Design basis	28	3 Guarantee	BOO Processor shall guarantee performance of Air Separation Unit as specified in this Clause under the following heads. 1. Capacities mentioned in clause no. 2.1 2. Quality of the product mentioned in clause no. 2.1 3. Works cost 4. Noise Level 5. Gaseous Emission	Performance guarantee shall be on utility consumption indicated by Bidder and not on works cost and gas emission , which is not applicable for ASU .	refer attachement 1.0 of corrigendum V technical process
3	Part II Technical Sec 1.4 Design basis	30	Table 2	BOO Processor shall furnish all data and shall guarantee the Total Works Costs per day for production of Oxygen and Nitrogen meeting the quality and conditions in the following manner	As this is a BOO plant we suggest to consider monthly average instead of hourly basis	Shall be as per NIT
4	Part II Technical Sec 1.4 Design basis	31	Note V	No meter tolerances are allowed	Bidder request to allow metering tolerances for instrument accuracies (which is as per industrial practise) such as flow meters etc as they cannot be 100% accurate	Shall be as per NIT
5	Part II Technical Sec 1.4 Design basis		General	ASU location	Please confirm if the ASU is located in SAFE Area	Inside Battery Limit HAC shall be done by Bidder.However, any particular Zone classification pertaining to OSBL shall be provided at later stage.

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	PART/VOL.	PAGE NO.	CLAUSE NO.	SUBJECT		
6	Volume-II (Design Basis)		Technical Section 1.4	Design Basis	Bidder understand that Gasificaion Licensor shall be finalized based on techn-commercial bid opening of LSTK-1 package. Process requirements i.e. battery limit conditions, product flow rates etc for selected licensor may differ what is mentioned in present design basis document and if Owner decides to incorporate revised specifications in ASU BOO bidding, this would require re-working of entire proposal work. Bidder requires Owner to clarify methodology to handle this issue.	Bidder to note that the Process Parameters are not likely to change at this Stage.However, if any modification in Process Parameters arisen out by the requirement of Downstream Unit shall be conveyed within Suitable Time period.
7	Volume-II (Design Basis)	3/18	2.1 & 3	Design Flow / PGTR	Bidder understand Owner requires 20% margin over Normal requirement of 113,500 Nm3/hr GOX, 37,000 Nm3/hr LP GAN, 33,000 Nm3/hr HP GAN, hence, proposed ASU shall be designed and tested for its performace during PGTR at first delivery date for 136,200 Nm3/hr GOX, 44,400 Nm3/hr LP GAN 22,200 Nm3/hr HP GAN flow rate with max. delivery pressure of 54 kg/cm2g, 9 kg/cm2g, 82 kg/cm2g respectively. Also, during such PGTR No back up liquid products i.e. Liq. O2 and / or Liq. N2 are allowed to vaporize and combined with gaseous products (O2 and /or N2) to fulfill products flow requirements. Kindly confirm.	corrigendam V already issued in this regards
8	Volume-II (Design Basis)	5/18	2.4	Storage	Kindly explain basis of N2/O2 Liquid storage tank sizes, what back up time is to be considered for sizing of Vaporizer system?	The assumed basis of Liquid O2 Storage: 2 hrs with a flow-rate of 124000 Nm3/hr The assumed basis of Liquid N2 Storage: 8 hrs with a flow-rate of 70000 Nm3/hr. Accordingly, Bidder to select the basis of sizing for back-up time of vaporizer system.
9	Volume-II (Design Basis)	5/18	3	Guarantee	Certain Guarantee defines under this section (Work Cost, Noise Level, Gaseous & Liquid Effluents) are neither part of contract documents nor associated with any liabilities. Bidder suggest to remove these from guarantee purpose.	As per NIT, All the statutory norms/standard requirement as applicable for the proposed Package, shall be fulfilled.

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10	Volume-II (Design Basis)	9/18	4.3	Plant Availability	Plant Availability Factor of 100% (equivalent to 330 days in a year) should be defined excluding planned or unplanned or regulatory shutdowns which means Bidder is allowed to shut down plant for any planned maintenance or regulatory requirements or any unforeseen trip or any combination of above 3 scenario in a year.	Bidder's understanding is right. However, Bidder to ensure the Planned/unplanned shut-down in such a manner that the Downstream operation remains uninterrupted as plant in line with Clause 4.1 of Chapter 1.4 of Technical NIT.
11	Volume-II		Section 1, 2 & 3	Codes and Standards, Engg. Specifications	<p>Bidder requires to add following provision in Design Basis:</p> <p>The codes and standards, technical requirements for drawings & documents as mentioned in design basis (1.4 of Volume II), engineering specifications (2 of Volume -II) and technical requirements (3 of Volume-II) mentioned in tender are for guidelines only. Since this is a BOO plant , BOO processor is allowed use its proven & established codes/standards, specifications, design guidelines and work practices for design, engineering, manufacturing, inspection and testing of various categories of items in Air Separation Plant.</p>	This being a BOO Plant, The owner has no objection to the use of Licensor's proven & established codes/standards, specifications, design guidelines and work practices for design, engineering, manufacturing, inspection and testing of various categories of items in Air Separation Plant, provided that the overall plant design meet the intent of the tender requirements, applicable Statutory requirements related to Central & state pollution Control Board. Accordingly, the Codes and Standards mentioned in this Tender Document shall be considered as the minimum governing requirement.
12	Volume -II		Section 3.3	Drawings & Documets	This being BOO plant which shall be designed as per BOO processor design philosophy and operating practices, Bidder can not accept to share such exhaustive Ist of drawings / documents in this entire secton either for review or approval by owner. Bidder agrees to share drawings / documents related to battery limit and interface points only. Kindly refer enclosed list of documets , which shall be shared with Owner.	corrigendam V already issued in this regards