TECHNICAL CLARIFICATIONS REQUIRED FROM BHEL, PEM:

PROJECT: MRHS – 4 X 270 MW BHADRADRI TPS, MANUGURU, KHAMMAM, TELANGANA.

Sl. No.	Specification: PE-TS-411-160-A001, VOLUME II-B, SECTION C: SPECIFIC TECHNICAL REQUIREMENTS:	SPECIFICATION: PE-TS-411-160-A001, VOLUME II-B, SECTION C1-A: ANNEXURE A: EQUIPMENT DESIGN/ SELECTION CRITERIA.	BHEL PEM CLARIFICATIONS.
1.	Clause: 1.0, Page 1 of 11 (Sheet 9), Sl. No: 2 of Table: Max. mill rejects generation rate per mill: 0.604 t/h. With all 6 mills operating, the conveying capacity = 0.604 x 6 = 3.624 Tons ~ 4 TPH.	Annexure – A, , Page 10 of 11 (Sheet 18): Sl. No. 01: Rated Capacity of Conveyor = 8 TPH. Design of the Conveyor – 10 TPH	There is no ambiguity in requirement. System is to be designed with rated capacity of 8 TPH and designed capacity of 10 TPH in line with technical specification.
2.	Clause 2.0, Page 2 of 11 (Sheet 10): Effective Storage capacity of Bunker – 24 Hours. As per above Conveyor capacity of 4 TPH, the bunker capacity works out to 4 x 24 = 96 Tons.	Annexure A, Page 10 of 11 (Sheet 18): Sl. No. 04: Bunker and its accessories – Under item (b), Effective storage Capacity given as 60 Tons. If 24 Hr effective storage is considered, with Rated Capacity of Conveyor 8 TPH as above, the bunker capacity = [8 x 24] = 192 Tons and if Design Capacity is considered (10 TPH), the bunker capacity = [10 x 24] = 240 Tons.	1 no. bunker/ silo with effective storage capacity of 60 T to be provided for each unit in line with technical specification.
3.	Clause 1.0, Page 1 of 11 (Sheet 9), Sl. No. 6 & 7 of Table: Normal Size of Rejects: (-) 40 mm (about 80-85% of total rejects. Maximum size of Rejects: + 40 mm (about 15 – 20 % of total reject), however system shall be designed for maximum particle size of 100 mm.	Annexure A, Page 10 of 11 (Sheet 18): Sl. No. 03 of Table: System Sizing Basis and Reject size to be handled: + 40 mm (about 15-20% of total reject), however system shall be designed for maximum of 100 mm. System shall be sized for one normal cycle. Max. size of rejects to be handled – up to 50 mm (5% of total reject). Rest 25 mm & below.	Following clause (Annexure A, page 10 of 11 sheet 18 sl no 03) has been deleted: Quote “System shall be sized for one normal cycle. Max. size of rejects to be handled – up to 50 mm (5% of total reject). Rest 25 mm & below.” Unquote Further to requirement mentioned to specification, bidder to note that particle size of about 100 mm shall

			be in a tune of 5-10% of total reject generation.
4.	**Clause 16.0 ii), Page 7 of 11, TECHNICAL REQUIREMENTS: Sl. No. 4, Page 8 of 11 (Sheet 16): SS tubing to be provided for pneumatic connection/ instrument air connection.**	**Annexure A, Page 10 of 11 (Sheet 18):** **Page 11 of 11 (Sheet 19), Sl. No. 05: Lines for various services – Pipes for instrument air shall be galvanized internally.**	**Requirement mentioned in specification is clear. Pipelines for various services shall be provided as per S.N. 05 of page 11 of 11 of annexure-A. Whereas SS tubing are to be provided for connection to various solenoid valves etc. from instrument air pipelines as mentioned at S.N. 4 of clause no. 16 (ii) of Sec-C1-A at page 8 of 11.**