

ANNEXURE - I A to CORRIGENDUM-02

CLARIFICATIONS TO QUERIES

SN	Clause No.	Query	Clarification by BHEL
1	1.9.1.2	Splitting of Work:	Please refer clause nos. 10.6 and 10.7 of Special Conditions of Contract. The query has already been addressed in these two clauses.
2	4.1.1.31	Quantum of work involving Shut-down	The work under the present tender specification shall involve certain common systems/facilities that are already operational to be hooked up with the new boiler. Compared to the overall work of regular erection, testing, assistance for commissioning etc, the quantum of work requiring shut-down is negligible.
3	4.2.1.E	Quantity of Castable Refractory	Please refer Appendix-II of the Tender Specification Part-I. Under item 'F' (Lining & Insulation) PGMA No. 33-212, the quantity of castable refractory has already been indicated.
4	4.2.1.J	Boiler Drum - Local transportation	Boiler Drum will be transported by rail up to the railway siding of Bhusawal Thermal Power Plant. The existing railway siding facility will be augmented for receiving the Boiler Drum closer to the new project area. Contractor shall have to transport the boiler drum from that location up to the boiler cavity - the distance of such transportation will be around 500 m.
5	4.2.2.9.3	Erection of Piping - locating and correcting vibrations.	Contractor's scope involves locating the cause of vibrations in pumps or other auxiliaries where such vibrations are attributable to the connected pipeline or item installed by the contractor and rectify the problem. Contractor's responsibility does not call for arranging Vibration Analysers for this purpose.
6	4.2.3.G	Chemicals for chemical cleaning of Lube Oil pipeline connected to Rotating Machinery	BHEL will provide the chemicals as per clause no. 7.5.1 of Special Conditions of Contract. The last sentence "Chemicals suiting BHEL specification, for such chemical cleaning is in scope of Contractor" under clause no. 4.2.3.G is hereby deleted.
7	4.2.6.B	Ducts	BHEL will supply individual duct plates usually in fabricated condition. Contractor needs to assemble (fit-up and weld) such duct plates to form a duct assembly as part of contractual work. There could be a few cases involving site-fabrication by the Contractor, the quantum of which is insignificant compared to the total scope.
8	4.2.6.C	Structures in running lengths	BHEL will supply structural items for Silencer Support, Roof, Cladding and few platforms in running length. Please refer Annexure-II of Tender Specification Part-I wherein quantities of structures with regard to Silencer Supports, Roof, Boiler Cladding and Elevator cladding etc have been furnished. Majority of the platform structures will be supplied in shop-fabricated condition, the quantum of site fabrication with regard to platforms will be minor compared to the total quantum of platform work.
9	5.2.11	Boiler Drum - dimensions & elevation	The boiler drum is about 2.15 m in outer diameter, 26 m long and weighs about 225 MT (with internals). It has to be erected at an elevation of about 72 m inside the boiler structural cavity.

ANNEXURE - I A to CORRIGENDUM-02

CLARIFICATIONS TO QUERIES

SN	Clause No.	Query	Clarification by BHEL
10	5.2.12	Huck Power Rig and Installation Tools	Please refer Sl. No. ix of 'Appendix-V' in Tender Specification Part-I, BHEL will provide Huck Power Rig model HK 432 or HK-432-2. Contractor shall have to arrange and deploy Huck Installation tools Part No. 2620-PT (for 12 mm bolts), Part No. 2628 (for 16 mm bolts) and Hose Assembly Part No. HS-15/MCE - all in required numbers.
11	5.5.1	Area Lighting	BHEL/Client will provide general area illumination with street lights and light towers. Contractor shall have to arrange for specific lighting to suit the field activities in all his work spots.
12	5.4	Field Office	The land for construction of field office will be as per existing condition. BHEL/Customer will not carry out any further development in this area.
13	5.6.4	Back-Up Power	Arrangement for back-up power is essential to ensure continuity of certain processes and activities. A few examples are lifting & fixing in position of certain items, welding of high thickness joints, welding of special materials like P-91 or T-91, heat treatment etc. These are only examples and not exhaustive. Contractor shall make his own assessment based on past experience and deploy suitable arrangement for back-up power.
14	Section-7 of SCC	DM Water & Steam	BHEL/Client will provide DM Water and steam free of charges for testing and commissioning activities.
15	Section-10 of SCC	Drawings (Plan & Elevation for Boiler and ESP)	Boiler and ESP of 500 MW rating plant are being installed in the country for more than twenty years. Their general configuration has not undergone any significant change during this period. In our analysis such drawing are not essential for tendering purpose.
16	---	Equivalent Inch Dia of Pressure Parts and Pipelines	We are herewith furnishing the size and tentative number of field weld joints involved in the job. Please note that there will not be any additional financial implication on either the contractor or BHEL on account of variations from these indicated details.