



BHARAT HEAVY ELECTRICALS LIMITED  
PROJECT ENGINEERING MANAGEMENT

PROJECT : 1 X 800 MW WANAKBORI TPP  
PACKAGE : COOLING TOWER.  
Enquiry No. : PE/PG/WAN/E-4865/15 Dtd.02.06.2015

DATE: - 29.06.2015

Pre-Bid Clarifications -1

S. No.	Reference Clause of Tender documents	Pre-Bid Query	BHEL Reply
1.	TECHNICAL PRE – QUALIFYING REQUIREMENTS (PQR), Clause # 2.b	We presume that in case any mentioned requirements i.e. rating of project, duty parameters (flow, range, etc.) is not available in the performance certificates issued by the end user(s) / purchaser(s) for any particular project, same can be established by furnishing other supporting documents like specification, GA drawings, datasheets, etc.	Noted.  In that case supporting documents must be customer/ consultant approved.
2.	Vol IIB; Section C1, Clause # 2.01.01; h	We understand that pumps will be portable type and hence we propose flexible hose pipe for sludge discharge. Please confirm.	Please follow specification.



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3.	Vol IIB; Section C1, Clause # 6.09.00	We find discrepancy between the referred clause and stipulation in clause 5.2 of Datasheet-A regarding the nos. of ladders required for the cooling tower. In our view two number of ladders (1+1) would be sufficient to access top platform. Remaining two would be redundant. Please review and confirm.	Minimum four Cage ladders as per specification to be considered.
4.	Vol IIB; Section C1, Clause # 8.03.05	Below 40%, possibility of inversion is higher, and hence performance is not predictable. Hence pl. accept 40% & above.	Please follow specification.
5.	Vol IIB; Section C1, Clause # 8.03.08	We presume that in case drift eliminators are included in the cooling tower design, this requirement will not be applicable for this project.	Noted. Refer clause no 7.12 of datasheet-A of section-D1 of vol-IIB of technical specification in this regard.
6.	Vol IIB; Section C3, Clause no. 3.01.01	Geotechnical investigation report and foundation system has been furnished by BHEL for the cooling tower area along with the technical specification. We are sure that BHEL must have taken full care to get a reliable geo-technical investigation carried out. It is expected that BHEL will take full responsibility for the correctness of the geo-technical investigation report.	BHEL has furnished the details of sufficient nos. of bore hole data as per Geo-Tech Work. Vendor to take the complete responsibility for total work including sub-starta. If required, Bidder can visit the site and do the necessary action/test.
7.	Vol IIB; Section C3, Clause no. 3.02.02	Refer to our clarification under SI No 6 above. Any variation of the allowable limits of SBC specified in Table-1 during detail engineering, leading to price implication, will have to be borne by Purchaser.	Not acceptable. BHEL has furnished details as per Geo-Tech Work. Vendor to take the complete responsibility for total work including sub-starta. If



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			required, Bidder can visit the site and do the necessary action/ test.
8.	Vol IIB; Section D1; Part A, , Clause # 8.2.1	This is in contradiction with the stipulation for painting furnished in clause no. 9.1; Datasheet-A; Section D1; Vol-IIB, wherein primer is specified as epoxy resin based red oxide primer. Please clarify.	Please follow datasheet- A of sec-D1 of Vol-IIB of Spec.
9.	Vol IIB; Section D1, Clause 4.10	We find discrepancy regarding the MOC of hardware between the referred clause and clause no. 8.12 of Datasheet-A. As per Datasheet-A hardware for wetted parts will be SS316 and as per the referred clause same has been specified SS304. Please clarify. Please also confirm the MOC of hardware for non-wetted parts.	Please follow datasheet- A of sec-D1 of Vol-IIB of Spec.
10.	Vol IIB; Section D1; Datasheet – A, Sr no. 7.12	Our understanding is that demonstration of drift loss will be applicable only when the offered NDCT is designed without drift eliminators. Please confirm.	Confirmed
11.	Vol IIB; Section D1; Datasheet – A. S.no 8.5	We propose GI pipe handrails.	Please follow specification.
12.	Vol IIB; Section D1; Datasheet – A , Sr no. 10.8	Instruments required for performance testing of cooling tower will remain testing agency's own property. Same will be taken back by the testing agency after successful completion of performance test at site.	Special instruments brought by testing agency may be taken back.
13.	-----	Please confirm whether PVC is applicable for this tender.	PVC is not applicable
14.	GCC, Clause # 10	Stipulation regarding recovery of outstanding payment for one contract from payment due for another contract is not	GCC Rev 06 to be followed



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		acceptable to us.	
15.	GCC, Clause # 16.2.2	In case of any such happening, any decision taken by Purchaser should be based on mutual agreement between the Purchaser and the Contractor.	GCC Rev 06 to be followed
16.	GCC, Clause # 29.3	The term “force majeure” as defined in this clause is not acceptable to us. The term “force majeure” must be used in its widest sense and must embody all unforeseen circumstances which are beyond our reasonable control.	GCC Rev 06 to be followed
17.	GCC, Clause # 32.0	This should be by joint arbitration method only.	GCC Rev 06 to be followed
18.	GCC, Annexure IV , Contract Performance Bank Guarantee	This needs modification to mutually satisfy both Purchaser and Contractor.	Contract Performance Bank Guarantee should be in the favor of PSWR in place of PEM. Vendors shall be required to submit CPBGs to the executing agency, i.e., BHEL-PSWR.