



**AMENDMENT ON TECHNICAL SPECIFICATION FOR PRE TREATMENT PLANT
FOR 1X800 MW GSECL WANAKBORI STPP.**

SPECIFICATION NO.: PE-TS-408-158-A001

AMENDMENT NO # 1

REV. NO. 00

DATE: 13/08/2015

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The following modifications with respect to Technical Specification for **PRE TREATMENT PLANT** BHEL's Technical specification no PE-TS-408-158-A001 shall apply.

Bidder to note that existing clauses/details as appearing in the specification stands deleted and clauses/details as mentioned in "Modified to or Read as" column shall be applicable and complied by the bidder.

MODIFIED CLAUSES/PAGE NUMBERS.

SI no.	Vol. No.	Section/ Description	Clause no	Page no	Existing clause/details	Modified to or Read as
1.	IIB	C1 (BOOK-1 OF 2)	4-d	25 of 581	Service air and instrument air: At E=418.00/N=217.50.	Service air and instrument air at 5 to 7 kg/cm2 pressure: At E=418.00/N=217.50.
2.	IIB	C1 (BOOK-1 OF 2)	Table-1	27 of 581	Raw water analysis	In Raw water analysis Turbidity value shall be added as 800 NTU (max) for design purpose over and above the other parameters indicated in Table-1.
3.	IIB	C1, Data sheet-A, (BOOK-1 OF 2)	19-i	37 of 581	To suit water requirement for chemical preparation for one day requirement+ flushing requirement of dosing lines +5 cum for Raw water chlorination +overall 20 % margin.	To suit water requirement for chemical preparation for one day requirement+ flushing requirement of dosing lines +5 cum for Raw water chlorination +overall 20 % margin or 40 CuM (effective) whichever is higher.
4.	IIB	Volume II-K/3, SECTION-1 (BOOK-1 OF 2)	2.20.00	46 of 581	Two (2) nos. Lime Solution Dosing Boxes each complete with all other accessories.	Clause deleted.
5.	IIB	SECTION – C2-B (BOOK-1 OF 2)	11.00	170 of 581	LIQUIDATED DAMAGE	Liquidated Damage shall be as per GCC.
6.	IIB	SECTION – C2-B (BOOK-1 OF 2)	VOLUME-IIA, SECTION-X	238 of 581	PERFORMANCE GUARANTEES AND TESTS (page number 238 to 253)	Only relevant portion to Pretreatment plant shall be applicable.
7.	IIB	SECTION – D2 (BOOK-1 OF 2)	SECTION-IV	311 of 581	TECHNCIAL SPECIFICATION FOR CABLES	Scope of supply of cable shall be as per Electrical Scope between BHEL and Vendor (page number 263 to 264 of 581).
8.	IIB	D3 (BOOK-1 OF 2)	PLC System configuration diagram	447 of 581	PLC System configuration diagram (REV-0)	PLC System configuration diagram (REV-1). REFER ANNEXURE-I.
9.	IIB	D3 (BOOK-1 OF 2)	UPS SPECIFICATION	449 of 581	UPS SCHEM (REV-0)	UPS SCHEME WITH SPECIFICATION (REV-1). REFER ANNEXURE-II.
10.	IIB	FLOW DIAGRAM (BOOK-1 OF 2)	FLOW DIAGRAM	574 of 581	FLOW DIAGRAM FOR PRE TREATMENT PLANT (REV-3).	FLOW DIAGRAM FOR PRE TREATMENT PLANT (REV-4). REFER ANNEXURE-III.
11.	IIB	PLOT PLAN (BOOK-1 OF 2)	PLOT PLAN	581 of 581	-----	BHEL will provide FGL at +72.00 for Pre Treatment plant.
12.	IIB	BOOK-2 OF 2 (TECHNICAL SPECIFICATIONS FOR CIVIL, STRUCTURAL, ARCHITECTURAL WORKS FOR PRE TREATMENT PLANT).	ANNEXURE-1	84 of 985	ANNEXURE-1 (PRELIMINARY GEOTECHNICAL INVESTIGATION DATA) (Preliminary investigation work under progress. Investigation data will be made available by GSECL after completion of field investigation work)	Page Deleted.