



**CLARIFICATIONS ON TECHNICAL SPECIFICATION FOR CHEMICAL
DOSING SYSTEM
1X800 MW COAL BASED NORTH CHENNAI TPP STAGE –III-BTG**

SPECIFICATION NO.: PE-TS-423-154A-A001

CLARIFICATION NO # 1

REV. NO. 00

DATE: 24/03/2017

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The following clarifications with respect to Technical Specification for chemical dosing system (BHEL's Technical specification no **PE-TS-423-154A-A001**) shall apply. Bidder's to comply the same.

CLARIFICATIONS ON TECHNICAL SPECIFICATION FOR CHEMICAL DOSING SYSTEM:

Clarification asked by M/s Positive metering pumps (I) Pvt. Ltd. Unit-3 via email dated 20/03/2017

CLARIFICATION CLAUSES/PAGE NUMBERS AND FINAL RESOLUTION:

Sl.no.	SECTION	SUB-Section/ Description	Clause no	Page no	Existing clause/details	Bidder's clarification	BHEL reply
1.	I	I-A/SPECIFIC TECHNICAL REQUIREMENTS MECHANICAL / P&ID	Nil	130&131 of 363	Capacity of ammonia measuring tank of skid 1 & skid-2 capacity specified as 225 liters.	Ammonia measuring tank capacity 700 liters given in page 174 of 363, ammonia measuring tank capacity given 125 liters.	. Bidder to note that capacity of ammonia measuring tank of Ammonia dosing skid 1 & skid-2 shall be 700 liters. Bidder to follow the same.
	I	I-A/SPECIFIC TECHNICAL REQUIREMENTS MECHANICAL /DATASHEET -A	6.1	134 of 363	Capacity of ammonia measuring tank of Ammonia dosing skid 1 & skid-2 capacity specified as 700 liters.		
	II	II-A/ GENERAL TECHNICAL REQUIREMENTS MECHANICAL	2.1.3.52.3,a(i)	174 of 363	Capacity of ammonia measuring tank of skid 1 & skid-2 capacity specified as 125 liters.		
2.	I	I-A/SPECIFIC TECHNICAL REQUIREMENTS MECHANICAL DATASHEET -A	10.1	135 of 363	Piping for hydrazine, ammonia & NaOH dosing skids: Main, Drain, Main Drain Header, Sampling, Vent & Overflow Piping: ASTM A 312 GR TP 304 SCH 40 (seamless)	Piping , valve , fittings material SS-304 given (page 134) & in volume-II section 2 part 2.1 MOC of piping fittings valves given SS-316.	Bidder to note that complete piping for hydrazine, ammonia & NaOH dosing skids shall be as per datasheet clause 10.1[i.e. Main, Drain, Main Drain Header, Sampling, Vent & Overflow Piping: ASTM A 312 GR TP 304 SCH 40 (seamless)] . Bidder to follow the same.
	II	II-A/ GENERAL TECHNICAL REQUIREMENTS MECHANICAL	2.1.3.52.3,e	175 of 363	Material for Piping & Fittings for hydrazine pumps & ammonia pumps: SS-304 /316		
