

REPLY OF PREBID CLARIFICATION FOR SIDE STREAM FILTRATION PLANT FOR 1X800 MW KOTHAGUDEM TPS

SL NO.	VOL	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	REASONS FOR CLARIFICATION	BHEL REPLY
1.0								
	II B	C	1.1.15	7 OF 59	Protection of underground piping	We would need to know the lengths of underground piping as we will have to consider warping and coating for the same.	For considering the costing of underground piping.	The pipe routing and length of piping already indicated in SI No-3 of Page number 7 of 59 and in 'Key plan' page number 37 of 59 in Technical Specification (PE-TS-410-151-A001).
2.0	II B							
		C	3	7 OF 59	Terminal points	We would need to know the piping length to be considered for backwash piping	For considering the costing of backwash piping.	Please refer Ammendment-1.
3.0	II B							
		C	NOTE-7	9 OF 59	Pressure at inlet of SSF	AVGF works at atmospheric pressure so we shall be designing the AVGF at atmospheric Pressure.	Confirmation required over the acceptance of AVGF designed and working at atmosphere pressure.	Please refer Ammendment-1.
4.0	II B							
		D	PLOT PLAN	52 OF 59	Plot Plan	We would need to know the area available for SSF and the exact piping.	For considering the costing of interconnecting piping.	The pipe routing and length of piping already indicated in SI No-3 of Page number 7 of 59 and in 'Key plan' page number 37 of 59. Also the area is already indicated in 'Key plan' page number 37 of 59 in Technical Specification (PE-TS-410-151-A001).



**AMENDMENT ON TECHNICAL SPECIFICATION FOR SIDE STREAM FILTRATION PLANT
1X800 MW TSGENCO KOTHAGUDEM TPS, STAGE –VII, PALONCHA.**

SPECIFICATION NO.: PE-TS-410-181-A001

AMENDMENT NO # 1

REV. NO. 00

DATE: 14/05/2015

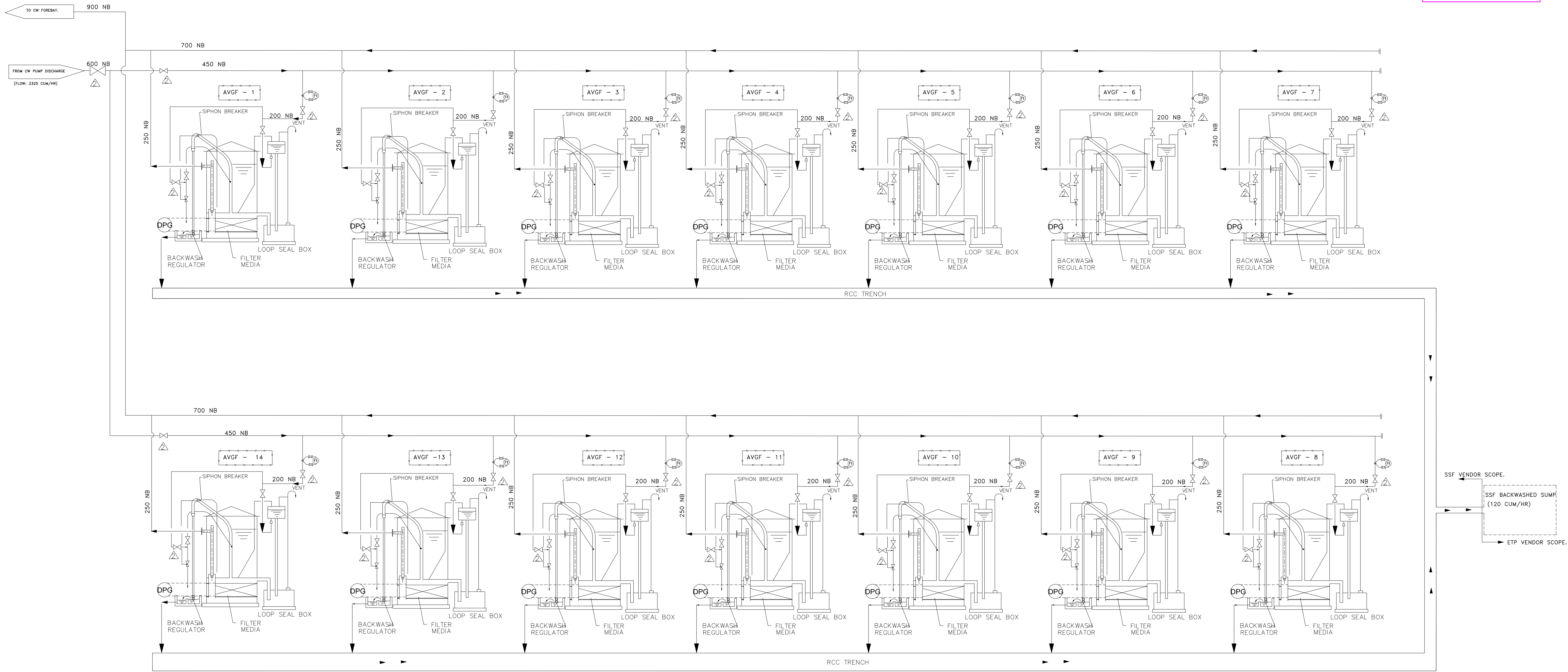
Page 1 of 1

The following modifications with respect to Technical Specification for **Side Stream Filtration Plant** BHEL's Technical specification no **PE-TS-410-181-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.

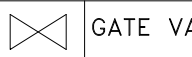
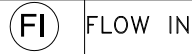
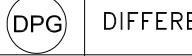
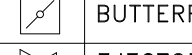
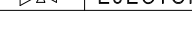
SI no.	Vol. No.	Section/ Description	Clause no	Page no	Existing clause/details	Modified to or Read as
1.	IIB	SECTION– C	3.1	7 OF 59	SSF plant inlet header: Single piping connection near SSF area (Twenty (20) meter from SSF boundary). Working pressure of inlet water of SSF is 3.5-4 Kg/Cm2 (g). Design pressure of SSF will be 7.5 kg/cm2 (g) minimum.	SSF plant inlet header: Single piping connection near SSF area (Twenty (20) meter from SSF boundary). Working pressure of inlet water of SSF is 3.5-7.5 Kg/Cm2 (g). Bidder to take care this to design the system.
2.	IIB	SECTION– C	3.3	7 OF 59	Back Wash water outlet: Backwash water outlet piping till backwash sump (backwash sump is not in bidder's scope).	Back Wash water outlet: Backwash water outlet piping shall be terminated at common RCC trench passing near each filter as shown in P&ID –PE-DG-410-181-A001.
3.	IIB	SECTION– C	P&ID	36 OF 59	P&ID FOR SIDE STREAM FILTRATION PLANT (REV-1)	Refer Annexure-1 (P&ID): P&ID FOR SIDE STREAM FILTRATION PLANT (REV-2)
4.	IIB	SECTION– D	2.4	58 OF 59	Total lump sum price on performance guarantee test, and handing over to Purchaser the entire Side Stream Filtration Plant , as defined subsequently the Side Stream Filtration Plant and ancillaries as specified in Technical specification No. PE-TS-410-156-A001 as required for safe and trouble free smooth operation.	Total lump sum price on performance guarantee test, and handing over to Purchaser the entire Side Stream Filtration Plant, as defined subsequently the Side Stream Filtration Plant and ancillaries as specified in Technical Specification No. PE-TS-410-181-A001 as required for safe and trouble free smooth operation.
5.	III	Suggestive Price Schedule	2.5	58 OF 59	Erection and commissioning	Clause deleted.

ANNEXURE -1

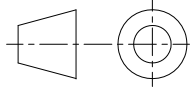


NOTES

1. THIS DRAWING IS MEANT FOR DESIGN PHILOSOPHY FOR SIDE STREAM FILTRATION PLANT.
2. THE INSTRUMENTS, VALVES, PIPING AND OTHER ACCESSORIES SHOWING IS TYPICAL.
3. FOR ISOLATION PURPOSE GATE VALVE SHALL BE USED. 
4. ALL PIPES SHALL BE CARBON STEEL (AS PER IS 1239 H OR IS 3589) UNLESS EXCLUSIVELY MENTIONED.
5. WRAPPING/COATING/PROTECTION OF ALL BURRIED PIPE SHALL BE AS PER IS 10221 OR AWWA C 203.

LEGEND	
	GATE VALVE
	FLOW INDICATOR
	DIFFERENTIAL PRESSURE GAUGE
	BUTTERFLY VALVE
	EJECTOR

PIPE SIZES OF CS MATL.		
NB	OD	THICK.
300	323.9	6.4
350	355.6	8.0
400	406.4	8.0
450	457.0	8.0
500	508.0	8.0
600	610.0	8.0
700	711.2	10.0
800	813.0	8.0
900	914.0	8.0
1000	1016	12.0
200	219.1	6.4
250	273.0	6.4

JOB NO.	410	TELANGANA STATE POWER GENERATION CORPORATION LIMITED									
STATUS	CONTRACT	DCPL									
DISTRIBUTION		1X800 MW KOTHAGUDUM STPP									
TO		BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NEW DELHI									
No. OF											
		TITLE P & I D FOR SIDE STREAM FILTRATION PLANT (SSF).									
								DEPT.	SCALE	DRAWING NO.	
								SIGN		PE-DG-410-181-A001	
								DATE		SHEET 1 OF 1	REV. 2