The following modifications with respect to Technical Specification for **CONDENSATE POLISHING UNIT**, BHEL's Technical specification no. **PE-TS-408-155-A001 REV 00** shall apply.

MODIFIED CLAUSES/PAGE NUMBERS.

Sl no	Vol. No.	Section/ Description	Clause no.	Page no.	Existing	Modified to
1.	IIB	C1	4.0, A. 47)	30 of 701	Initial fill of resins, media and **degasser tower packing** for all vessels as required.	Initial fill of resins and media etc. for all vessels as required.
2.	IIB	C1	4.0, B. 75)	33 of 701	Initial fill of resins, media and **degasser tower packing** for all vessels as required.	Initial fill of resins and media etc. for all vessels as required.
3.	IIB	C1	C. 7)	34 of 701	The regeneration waste of Condensate polishing unit shall be led to the neutralization pit of Condensate polishing unit regeneration area. For further disposal of effluents from CPU Regeneration area N pit up to the central monitoring basin bidder to provide two nos (2X100%) Effluent disposal pumps, along with recirculation line of the pumps. The piping distance between CPU Regeneration area N pit and central monitoring basin shall be 750 meters. The material of the piping shall be Rubber lined ERW carbon steel pipe to ASTM A53 Gr. B/IS-1239, Part-I, Heavy grade. For small diameter pipe (<=40NB), where rubber lining is difficult stainless steel pipe to ASTM A 312 TP 304 Sch. 40S instead of rubber lined steel pipe shall be used.	The regeneration waste of Condensate polishing unit shall be led to the neutralization pit of Condensate polishing unit regeneration area. For further disposal of effluents from CPU Regeneration area N pit up to the central monitoring basin bidder to provide two nos (2X100%) Effluent disposal pumps, along with recirculation line of the pumps. The piping distance between CPU Regeneration area N pit and central monitoring basin shall be 750 meters. **Complete effluent disposal piping shall also be in bidder's scope.** The material of the piping shall be Rubber lined ERW carbon steel pipe to ASTM A53 Gr. B/IS-1239, Part-I, Heavy grade. For small diameter pipe (<=40NB), where rubber lining is difficult stainless steel pipe to ASTM A 312 TP 304 Sch. 40S instead of rubber lined steel pipe shall be used.
4.	IIB	C	--	627 of 701	ANNEXURE-I LIST OF MAKES OF SUB-VENDOR ITEMS	In addition to the sub vendors as indicated in technical specification, following indicative make of resin shall also be considered:

SR. NO.	ITEM	SUPPLIERS	PLACE	REMARKS
1	RESIN	ROHM & HASS	FRANCE / USA	
		LANXESS	GERMANY	
		PUROLITE	ROMANIA/CHINA	

Sl no	Vol. No.	Section/ Description	Clause no.	Page no.	Existing	Modified to
5.	III	-	-	-	Drawings	Bidder to note that in addition to the drawings attached in technical Specification following drawings have also been attached herewith or Bidder's compliance: I. MAIN EQUIPMENT PLANT LAYOUT (BHEL DRG. NO. PE-DG-408-100-M002 REV 02). II. COMPOSITE PIPING LAYOUT PLAN BELOW MEZZANINE FLOOR (BHEL DRG. NO. PE-DG-408-100-M032 REV 00).
6.	II- B	C1	4.2 , (ii)	61 of 701	Neutralization Pit Disposal Pumps - Type of pump - Horizontal centrifugal	The type of Neutralization Pit Disposal Pumps shall be Horizontal centrifugal type in line with the Datasheet-A indicated at Sr. No. 4.2 (ii), page no. 61 of 701 in technical specification. Accordingly all the mandatory spares for Horizontal type centrifugal pumps (at Neutralising Pit) shall be provided by the bidder in line SL. No. 1.0 (Spares for Horizontal Centrifugal Pumps) mentioned at page no. 658 of 701 in technical specification.
	II- B	C	SL. No.– 1.0,	658 of 701	Spares for Horizontal Centrifugal Pumps	
	II- B	C	SL. No.– 2.0,	658 of 701	Spares for Vertical Type Centrifugal Pumps (at Neutralising Pit)	