

	BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING MANAGEMENT	BHEL-PEM, PPEI PLOT No. 25, SECTOR-16A, NOIDA-201301 (U.P.) PHONE: 0120-4368959
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Ref. No. PE/PG/PA1/E-6255/2019/CORRIGENDA/02

Date: 23/07/2019

SUB.: - "AUX. PRDS" FOR 3X800 MW PVUNL PATRATU TPP PHASE-I

CORRIGENDA / ADDENDA-02

DUE DATE
31/07/2019
BY 02:00 P.M. IST

1. The bid submission date of tender for AUX. PRDS invited vide Enquiry No.: PE/PG/PA1/E-6255/2019 dt. 06/07/2019 is extended up to 31/07/2019 till 02:00 P.M. Techno-commercial bids shall be opened on 31/07/2019 at 03:00 P.M.
2. Amendment-1 to Technical Specification has been issued & the same is uploaded.

Bidders to note that this is the **Final Opportunity** for submission of offer as beyond this no further extension shall be granted.

All are requested to submit the offer on or before the due date.

Thanking You.

For & on Behalf of BHEL,



Sumit Agrawal
Dy. Mgr. / PG-III

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PVUNL-3X800MW PATRATU TPP PHASE-I
AMENDEMENT NO-01 TO APRDS TECHNICAL SPECIFICATION (PE-TS –443-142–N101)

S. No.	Enquiry Specification			Specification Requirement	To be read as
	Volume / Section	Title	Page Reference		
1	PE-TS-434-142-N101	1.5 - Commissioning Spares	Page - 9 of 57	25 Meters of ¼ “ SS Tubing, with 1 set of Fittings for each CV & Connector for connection to IA Header on one end and accessories on another end of CV.	15 Meters of ¼ “ SS Tubing, with 1 set of Fittings for each CV for connection to IA Header on one end and accessories on another end of CV.
2		Tubing and fittings DATA SHEET – A & B for ACCESSORIES	Page - 23 of 57	15 Meters of ¼ “ SS Tubing, with 1 set of Fittings for each CV for connection to IA Header on one end and accessories on another end of CV.	15 Meters of ¼ “ SS Tubing, with 1 set of Fittings for each CV for connection to IA Header on one end and accessories on another end of CV.
3		Tubing and fittings DATA SHEET C – ACCESSORIES	Page - 55 of 57	25 Meters of ¼ “ PVC coated Cu. Tubing, with 1 set of Fittings for each CV & Connector for connection to IA Header on one end and accessories on another end of CV.	15 Meters of ¼ “ SS Tubing, with 1 set of Fittings for each CV for connection to IA Header on one end and accessories on another end of CV. Revise Format of Data Sheet-C attached.

	TECHNICAL SPECIFICATION FOR AUXILIARY STEAM PRESSURE REDUCING & DESUPERHEATING STATION		SPEC. NO.: PE-TS-434-142-N101	
			SECTION II	
			REV. NO. 01	DATE 19.07.19
Tag No..... Quantity.....			Data Sheet No. PES-145-06-DS2-1	
DATA SHEET-C				
DATA SHEET – C FOR CONTROL VALVE (WITH PNEUMATIC ACTUATOR) (TO BE FILLED BY THE BIDDER AFTER THE AWARD OF CONTRACT)				
GENERAL*	PROJECT			
	SERVICE			
	LOCATION			
	DUTY			
	PIPE SIZE (inlet / outlet)			
	PIPE MATERIAL (inlet / outlet)			
BODY	MODEL NUMBER			
	TYPE OF BODY : GUIDING : NO. OF PORTS			
	BODY SIZE : PORT SIZE : DESIGN CV			
	END CONNECTION & RATING (ANSI)			
	BODY MATERIAL			
	PACKING MATERIAL SINGLE / DOUBLE			
	BONNET TYPE			
	TRIM FORM			
	TRIM MATERIAL : SEAT PLUG			
	TRIM MATERIAL : CAGE GUIDE			
	FLOW			
	OUTLET VELOCITY			
	REQUIRED LEAKAGE CLASS			
	NOISE LEVEL (dBA)			
	VACUUM SERVICE			
	ANTI CAVITATION TRIM			
PNEUMATIC ACTUATOR	MODEL NO. & SIZE			
	CLOSE AT : OPEN AT (Kg / Cm ² g)			
	*TRAVEL TIME FOR OPEN TO CLOSE, CLOSE TO OPEN			
	*VALVE POSN. ON SIGNAL AIR FAILURE			
	*VALVE POSN. ON SUPPLY AIR FAILURE			
ACCESSORIES	POSITIONER			
	AIR FILTER REGULATOR			
	AIR LOCK RELAY			
	POSITION LIMIT SWITCH			
	POSITION TRANSMITTER			
	SOLENOID VALVE			
	E / P CONVERTER			
	JUNCTION BOX			
	HAND WHEEL (SIDE MOUNTED)			
	LOCAL POSITION INDICATOR			
	ELECTRO PNEUMATIC POSITIONER			



TECHNICAL SPECIFICATION FOR
AUXILIARY STEAM PRESSURE REDUCING &
DESUPERHEATING STATION

SPEC. NO.: PE-TS-434-142-N101

SECTION II

REV. NO. 01

DATE 19.07.19

Tag No..... Quantity.....

Data Sheet No. PES-145-06-DS2-1

DATA SHEET-C

DATA SHEET – C FOR CONTROL VALVE (WITH PNEUMATIC ACTUATOR)
(TO BE FILLED BY THE BIDDER AFTER THE AWARD OF CONTRACT)

PERFORMANCE OF VALVE	HYTERSIS								
	LINEARITY								
	SENSITIVITY								
	ACCURACY (Overall)								
SERVICE CONDITION*	SL.+ NO.	LOAD	FLOW (T/HR)	INLET PR. (KG/CM ² (A)	OUTLET PR. (KG/CM ² (A)	TEMP DEG. C	CALCULA TED CV	% VALVE LIFT	VALVE O/L VELOCITY
	VALVE TYPE								
	* MAX SHUT OFF PRESS ((KG/CM ² g)								
	* BODY DESIGN : PRESS ((KG/CM ² g) TEMP (DEG. C)								
	* IBR FORM III-C								

TOTAL WEIGHT (VALVE + ACTUATOR + ACCESSORIES) KG.

SEA WORTHY PACKING

	TECHNICAL SPECIFICATION FOR AUXILIARY STEAM PRESSURE REDUCING & DESUPERHEATING STATION		SPEC. NO.: PE-TS-434-142-N101	
			SECTION	II
			REV. NO.	01
			DATE	19.07.19

Tag No.....		Quantity.....		Data Sheet No. PES-145-06-DS2-1	
DATA SHEET-C					
DATA SHEET – C FOR CONTROL VALVE (WITH PNEUMATIC ACTUATOR) (TO BE FILLED BY THE BIDDER AFTER THE AWARD OF CONTRACT)					
POSITIONER	MFR. & MODEL NUMBER				
	BYPASS	GAUGES	ENCL. CLASS		
	INPUT SIGNAL (Kg / Cm ²)				
	OUTPUT SIGNAL (Kg / Cm ²)				
AIR FILTER REGULATOR	MFR. & MODEL NUMBER				
	AIR SUPPLY PRESS (Kg / Cm ² g)				
	OUTPUT PRESS (Kg / Cm ² g)				
	OUTPUT GAUGE				
	FILTER SIZE				
AIR LOCK	MFR. & MODEL NUMBER				
	SET PRESS (Kg / Cm ²)				
	SUPPLY PRESS (Kg / Cm ²)				
	RESET TYPE				
	VENT PLUG				
LIMIT SWITCH	MFR. & MODEL NUMBER				
	OPEN posn	INT posn	CLOSE posn		
	CONTACT TYPE				
	RATING (AC / DC)				
	ENCLOSURE CLASS				
POSITION TRANSMITTER	MFR. & MODEL NUMBER				
	TYPE				
	SUPPLY				
	OUTPUT RATING				
	ACCURACY				
	ENCLOSURE CLASS				
SOLENOID VALVE	MFR. & MODEL NUMBER				
	RATING				
	OPERATION	QUANTITY			
	COIL INSULATION CLASS				
	ENCLOSURE CLASS				
HANDWHEEL	ORIENTATION				
JUNCTION BOX	NO. OF WAYS				
	SIZE				
	CABLE GLANDS (Size / Quantity)				
	ENCLOSURE CLASS				
	BODY MATERIAL				
I/P CONVERTER	INPUT SIGNAL	POWER SUPPLY			
	SPLIT RANGE				
	ENCLOSURE CLASS				
	LINEARITY				
	HYSTERESIS				
Cu. Tubing & Fittings / per CV	15 Meters of ¼ " SS Tubing, with 1 set of Fittings for each CV for connection to IA Header on one end and accessories on another end of CV.				
PAINTING	COLOUR/SHADE				
	THICKNESS (DFT)				
	TYPE				
				COMPANY SEAL	
				NAME	
				SIGNATURE	
				DATE	