

Ref. No. : PE/PG/BIF/E-5982/2018/CORRIGENDA/01

Date: 07.07.2018

CORRIGENDA / ADDENDUM-01

PROJECT : 2X660 MW BIFPCL MAITREE KHULNA STPP-BANGLADESH
PACKAGE NAME: CONTROL VALVE (FDVs)
Our Ref : ENQUIRY No : PE/PG/BIF/E-5982/2018, Dtd- 28.06.2018

DUE DATE
17-July-2018
BY 02:00 PM (IST)

Please find below technical amendment:

REASON FOR AMENDMENT: Change in Pipe Size & Applicability of BBR Requirement.
SPECIFICATION No: PE-TS-421-145-I801B

S No.	Sec / Clause No. / Sheet No.	Existing Clause	Revised Clause after Amendment
1.	Section-C Datasheet-A & B: Pipe Size & BBR Requirement	- Datasheet –A & B: Pipe Size: 210x42 - Bangladesh Boiler Act, 1923 with amendments Compliance & essential Certificate: Not required	- Datasheet –A & B: Pipe Size: 210x45 - Applicability of BBR Certificate & Compliance with Bangladesh Boiler Act, 1923 with amendments Refer updated Datasheet attached as Annexure I.

Accordingly, the bid submission of tender for **CONTROL VALVE (FDVs)** invited vide above Enquiry is extended up to 17.07.2018 at 02:00 PM (IST).

Thanking You.

For & on Behalf of BHEL,



DEVENDRA SINGH
SR. ENGR/PG1

Tag No. : FDV-14 & 24 KKS No: 01LAB40AA101 & 01LAB41AA101		Qty.: 2 per Unit 	Date Sheet No. PES-145-06-DS1-0	
DATA SHEET – A & B				
DATA SHEET – A FOR CONTROL VALVE (WITH PNEUMATIC ACTUATOR) (TO BE FILLED BY PURCHASER)			DATA SHEET – B (TO BE FILLED UP BY BIDDER)	
GENERAL*	PROJECT SERVICE LOCATION DUTY PIPE SIZE (inlet / outlet) PIPE MATERIAL (inlet / outlet)	2X660MW MAITREE STPP LOW LOAD FEED CONTROL ☒ INDOOR ☐ OUTDOOR ☐ ON/OFF ☒ MODULATING ID 210 x 45 ID 210 x 45 SA 106 GR C SA 106 GR C		
BODY*	MODEL NO. 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 : CAGE GUIDE BUSH FLOW OUTLET VELOCITY REQUIRED LEAKAGE CLASS NOISE LEVEL (dBA) (spec. 3.1.14) VACUUM SERVICE ANTI CAVITATION TRIM	Bidder to specify ☒ GLOBE ☐ ANGLE ☐ TOP ☒ CAGE ONE Bidder to specify ☒ BWE ☐ SWE ☐ FLANGED ☒ A216 WCC ☐ A217 WC9 ☐ SS ☐ A217 CS ☐ A351 CF8M ☐ PTFE ☒ GRAFOIL ☐ DOUBLE ☒ SINGLE ☒ STD ☐ EXTENDED ☐ FINNED ☐ LINEAR ☒ EQ. PERCENTAGE ☐ QUICK OPEN (ON/OFF) SS 316 STELLITED SS 316 STELLITED SS 316 STELLITED SS 316 STELLITED ☐ BELOW SEAT ☐ ABOVE SEAT ☒ < 7 M/SEC (WATER) ☐ MAC NO. < 1/3(STM) ☐ II ☐ III ☒ IV ☐ V ☐ VI LESS THAN 85 dBA ☐ YES ☒ NO ☐ YES ☒ NO		
PNEUMATIC ACTUATOR	MODEL NO. & SIZE CLOSE AT : OPEN AT (KG/CM2g) *TRAVEL TIME FOR OPEN TO CLOSE, CLOSE TO OPEN *VALVE POSN. ON SIGNAL AIR FAILURE *VALVE POSN. ON SUPPLY AIR FAILURE	Bidder to specify < 10 sec ☒ TO OPEN ☐ STAYPUT ☐ TO CLOSE ☒ STAYPUT		
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	☒ REQUIRED ☐ NOT REQUIRED ☒ REQUIRED ☐ NOT REQUIRED ☒ REQUIRED ☐ NOT REQUIRED ☐ REQUIRED ☒ NOT REQUIRED Part of Smart Positioner ☐ REQUIRED ☒ NOT REQUIRED Part of Smart Positioner ☒ REQUIRED ☐ NOT REQUIRED ☒ REQUIRED ☒ REQUIRED		

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BHEL PEM	DATA SHEET FOR CONTROL VALVES (WITH PNEUMATIC ACTUATOR) 2x660MW MAITREE STPP	SPECIFICATION NO.: MAITREE-01-CF-PB-123104-PEM-0	
		VOLUME-IIB	
		SECTION 'C'	
		REV. NO. 02	DATE :04.07.2018

Tag No. : FDV-14 & 24 KKS No: 01LAB40AA101 & 01LAB41AA101		Qty.: 2 per Unit 		Date Sheet No. PES-145-06-DS1-0					
DATA SHEET – A & B									
DATA SHEET – A FOR CONTROL VALVE (WITH PNEUMATIC ACTUATOR) (TO BE FILLED BY PURCHASER)								DATA SHEET – B (TO BE FILLED UP BY BIDDER)	
PERFORMANCE OF VALVE	LINEARITY HYSTERESIS SENSITIVITY ACCURACY (OVERALL)				± 1% ± 1% ± 0.5% ± 2%				
SERVICE CONDITION*	SL. No. +	LOAD	FLOW (T/HR)	INLET PR. KG/CM2(A)	OUTLET PR. KG/CM2(A)	TEMP DEG (C)	CALC ULATED CV	% VLV LIFT	VLV O/L VELOCITY
	1.	5% BMCR (MIN.SPEED)	102	46	8.5	111			
	2.	15% BMCR	306	57.5	30.5	111			
	3.	25% BMCR	510	117	99.5	111 TO 138			
	4.	30% BMCR	612	130	125	138			
	VALVE TYPE						☐ CAVITATION ☐ FLASHING ☒ HIGH DP		
* MAX SHUT OFF PRESS (KG/CM2g) 460 * BODY DESIGN : PRESS (KG/CM2g) TEMP (DEG C) 460 200 * Bangladesh Boiler Act, 1923 with amendments Compliance & essential certificate: ☒ REQUIRED ☐ NOT REQUIRED									
TOTAL WEIGHT (VALVE + ACTUATOR + ACCESSORIES) Kg									
NOTES:									

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