

2 X 660 MW SURATGARH STPS STAGE-V												
BOQ CUM SUGGESTIVE PRICE FORMAT FOR CONTROL VALVE WITH ACCESSORIES (PNEUMATICALLY OPERATED)												
FOR INDIAN BIDDERS (IN INR)												
S. No.	ITEM DESCRIPTION		QUANTITY/ UNIT	Total Qty (Unit 1&2)	UNIT EX- WORKS PRICE	TOTAL EX- WORKS PRICE	EXCISE DUTY with cess: NIL (REFER SCC CLAUSE NO. 27.0).	CST against form C/E1&E2 @% / VAT @.....% (As applicable)	FREIGH CHARGES (Including Service tax on freight@..... % (applicable rate)-to be quoted as % of Ex-Works	TOTA F.O.R. SITE PRICE	UNIT FOB PRICE (Currency:)	TOTAL FOB PRICE (Currency:)
	TAG NO.	SERVICE										
[A]	CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL ACCESSORIES MOUNTED , PIPED AND TERMINATED ON JB											
1	ASV-8	D/A Pegging from Aux. Steam Header	1	2								
2	CRHV-6	D/A Pegging from CRH Line	1	2								
3	CDV-22	Main Condensate Control	1	2								
4	CDV-39	GSC & CEP min. recirculation	1	2								
5	CDV-43	Excess Dump Control	1	2								
6	CDV-67	Condensate for SD F/T	1	2								
7	CDV-72	Condensate for Valve Gland Sealing	1	2								
8	DRV-2	HPH-7 Normal Drain to HPH-6	1	2								
9	DRV-5	HPH-7 Alt drain to HP Drain F/T	1	2								
10	DRV-15	HPH-6 Alt Drain to Deaerator	1	2								
11	DRV-18	HPH-6 Alt Drain to HP drain F/T	1	2								
12	DRV-28	LPH-3 Drain to LPH-2	1	2								
13	DRV-31	LPH-3 Drain to LP drain F/T	1	2								
14	DRV-34	LPH-2 Drain to LPH-1	1	2								
15	DRV-37	LPH-2 Drain to LP Drain F/T	1	2								
16	DRV-48	Deaerator Overflow	1	2								
17	DRV-53	HPH-8 Drain to HPH-7	1	2								
18	DRV-59	HPH-8 Drain to F/T	1	2								
19	DRV-65	LPH-4 Drain to LPH-3	1	2								
20	DRV-68	LPH-4 Alt Drain to LP drain F/T	1	2								
21	DMV-2	Low Capacity DM MU to Hotwell	1	2								
22	DMV-9	High Capacity DM MU to Hotwell	1	2								
23	FDV-14	Low Load Feed Control	1	2								
24	DRV-8	HPH-7 Alt Drain to Deaerator	1	2								
25	DRV-56	HPH-8 Drain to Deaerator	1	2								
[B]	25 Meters of 10mm OD x 1.5mm thick PVC Coated Cu. Tubing (for each CV) (To be supplied Loose)			625 METER	1250 METER							
NIL (REFER SCC CLAUSE)												

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ANNEXURE.1										
MANDATORY SPARES										
ITEM DESCRIPTION		FOR INDIAN BIDDERS (IN INR)					FOR FOREIGN BIDDERS			
		QUANTITIES FOR TWO UNITS (1 LOT)	UNIT EX- WORKS PRICE	TOTAL EX- WORKS PRICE	EXCISE DUTY with cess: NIL (REFER SCC CLAUSE NO. 27.0).	CST against form C/E1&E2 @% / VAT @% (As applicable)	FREIGHT CHARGES (Including Service tax on freight@.....% (applicable rate)-to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency:)	TOTAL FOB PRICE (Currency:)
S. No.	ITEM DESCRIPTION									
1	Plug and steam assembly	2 No. of each type			NIL (REFER SCC CLAUSE NO. 27.0)					
2	Seat ring	2 No. of each type								
3	Packing and gaskets	2 No. of each type								
4	Pilot relay	2 No. of each type								
5	Actuator diaphragm	2 No. of each type								
6	O rings	4 Nos. of each size for positioner								
7	Feedback linkage	2 No. of each type								
	TOTAL									

NOTE: THE ACTUAL QUANTITY SHALL BE WORKED OUT DURING DETAILED ENGINEERING

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BOQ CUM SUGGESTIVE PRICE FORMAT FOR CONTROL VALVE WITH ACCESSORIES (PNEUMATICALLY OPERATED)

ANNEXURE -2

CV TEST CHARGES											
FOR INDIAN BIDDERS (IN INR)				FOR FOREIGN BIDDERS							
S. No.	ITEM DESCRIPTION		QUANTITY	UNIT EX- WORKS PRICE	TOTAL EX- WORKS PRICE	EXCISE DUTY with cess: NIL (REFER SCC CLAUSE NO. 27.0).	CST against form C/E1&E2 @% / VAT @% (As applicable)	SERVICE TAX@12.36%	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency:)	TOTAL FOB PRICE (Currency:)
	TAG NO.	SERVICE									
Cv TEST CHARGES											
1	ASV-8	D/A Pegging from Aux. Steam Header	1								
2	CRHV-6	D/A Pegging from CRH Line	1								
3	CDV-22	Main Condensate Control	1								
4	CDV-39	GSC & CEP min. recirculation	1								
5	CDV-43	Excess Dump Control	1								
6	CDV-67	Condensate for SD F/T	1								
7	CDV-72	Condensate for Valve Gland Sealing	1								
8	DRV-2	HPH-7 Normal Drain to HPH-6.	1								
9	DRV-5	HPH-7 Alt drain to HP Drain F/T	1								
10	DRV-15	HPH-6 Alt Drain to Deaerator	1								
11	DRV-18	HPH-6 Alt Drain to HP drain F/T	1								
12	DRV-28	LPH-3 Drain to LPH-2	1								
13	DRV-31	LPH-3 Drain to LP drain F/T	1								
14	DRV-34	LPH-2 Drain to LPH-1	1								
15	DRV-37	LPH-2 Drain to LP Drain F/T	1								
16	DRV-48	Deaerator Overflow	1								
17	DRV-53	HPH-8 Drain to HPH-7	1								
18	DRV-59	HPH-8 Drain to F/T	1								
19	DRV-65	LPH-4 Drain to LPH-3	1								
20	DRV-68	LPH-4 Alt Drain to LP drain F/T	1								
21	DMV-2	Low Capacity DM MU to Hotwell	1								
22	DMV-9	High Capacity DM MU to Hotwell	1								
23	FDV-14	Low Load Feed Control	1								
24	DRV-8	HPH-7 Alt Drain to Deaerator	1								
25	DRV-56	HPH-8 Drain to Deaerator	1								
NOTE-											

NOTE-

- A) CV TEST TO BE CONDUCTED FOR ONE PER TYPE PER SIZE, CV VALUE. TAG NOS. TO BE GROUPED ACCORDINGLY AND INDICATED.
- B) IF THE BIDDER HAS CV TEST CERTIFICATE FOR A SIMILAR MODEL/SIZE/CV AND THE CERTIFICATE IS NOT MORE THAN THREE YEARS OLD FROM THE DATE OF TEST CONDUCTED, THE CERTIFICATE SHALL BE ACCEPTABLE.
- C) IN CASE THE SUBMITTED CV TEST CERTIFICATES ARE FOUND NON-ACCEPTABLE TO BHEL/CUSTOMER, BIDDER SHALL CONDUCT THE CV TYPE TEST WITHOUT ANY PRICE IMPLICATION TO BHEL.

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SCHEDULE OF UNIT PRICES (OPTIONAL)			
S. No.	CONTROL VALVES ACCESSORIES	FOR INDIAN BIDDERS	FOR FOREIGN BIDDERS
		Unit Ex-Works Price (IN INR)	Unit FOB Price (CURRENCY:)
1	SMART POSITIONER (EACH TYPE)		
2	VALVE TRIM OF EACH TYPE (Separate list to be attached if required)		
3	DIAPHRAGMS,O-RINGS,SEALS ETC OF ALL TYPE,MAKE ETC		
4	AIR FILTER REGULATORS		
5	AIR LOCK RELAY		
6	POSITION LIMIT SWITCH		
7	VOLUME BOOSTER		
8	SOLENOID VALVE		
9	E/P CONVERTER		
10	PRESSURE GAUGES OF EACH TYPE		
11	JUNCTION BOX (36 WAYS)		
12	HANDWHEEL		
13	ACTUATOR OF EACH TYPE (Separate list to be attached if required)		
14	BRASS FITTING FOR CONNECTION TO AIR FILTER REGULATOR		
15	BRASS FITTING FOR CONNECTION TO SOLENOID VALVE		
16	BRASS FITTINGS FOR CONNECTING TO AIR HEADER		
17	EQUAL BRASS TEE		
18	COPPER TUBING PER METRE		