

PROJECT: 1x700 MW BELLARY UNIT-3

CONTROL VALVES (PE/PG/BL3/E-4020/13 DATED 17.06.2013)

PRICE FORMAT FOR MAIN VALVES					FOR INDIAN BIDDERS						FOR FOREIGN BIDDERS	
S. No.	TAG NO.	SERVICE	TOTAL QTY	Unit of Measurement	Unit Ex-Work Price (Rs)	Total Ex works Price (Rs)	ED including CESS @% (for self manufactured items only) (Rs)	CST @% against Form-C /VAT (Rs)	FREIGHT CHARGES (Including Service tax @ applicable rate)-to be quoted as % of Ex-Works (Rs.)	TOTAL F.O.R. Site Price (Rs)	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)
[A] CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES MOUNTED, PIPED AND TERMINATED ON JB												
1	ASV-8	D/A Pegging from Aux. Steam Header	1	No.								
2	CRHV-6	D/A Pegging from CRH Line	1	No.								
3	CDV-22 & CDV-25	Main Condensate Control	2	Nos.								
4	CDV-10,CDV-12 & CDV-14	CEP A/B/C Minimum Recirculation	3	Nos.								
5	CDV-39	GSC min. flow recirculation	1	No.								
6	CDV-43	Excess Return to CST	1	No.								
7	CDV-67	Condensate Spray to SD F/T	1	No.								
8	CDV-72	Condensate for Valve Gland Sealing	1	No.								
9	DRV-2 & DRV-8	HPH-7A/7B Normal Drain to HPH-6A/6B	2	Nos.								
10	DRV-5 & DRV-11	HPH-7A/7B Alt.Drain to HP Drain F/T	2	Nos.								
11	DRV-15 & DRV-22	HPH-6A/6B Normal Drain to Deaerator	2	Nos.								
12	DRV-18 & DRV-25	HPH-6A/6B Alt. Drain to HP Drain F/T	2	Nos.								
13	DRV-28	LPH-3 Normal Drain to LPH-2	1	No.								
14	DRV-31	LPH-3 Alt. Drain to LP Drain F/T	1	No.								
15	DRV-34	LPH-2 Normal Drain to LPH-1	1	No.								
16	DRV-37	LPH-2 Alt. Drain to LP Drain F/T	1	No.								
17	DRV-48	Deaerator Overflow to LP Drain F/T	1	No.								
18	DRV-53 & DRV-59	HPH-8A/8B Normal Drain to HPH-7A/7B	2	Nos.								
19	DRV-56 & DRV-62	HPH-8A/8B Alt. Drain to SD F/T	2	Nos.								
20	DRV-65	LPH-4 Normal Drain to LPH-3	1	No.								
21	DRV-68	LPH-4 Alt. Drain to LP Drain F/T	1	No.								
22	DMV-2	DM Normal MU to Hotwell	1	No.								
23	DMV-9	Emergency MU to Hotwell	1	No.								
24	FDV-14	Low Load Feed Control	1	No.								

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[B]	15 METERS OF 10mm OD x 1.5mm thick PVC Coated annealed Cu. TUBING FOR EACH CONTROL VALVE (To be supplied loose).		495	METERS								
[C]	FITTINGS for each Control Valves (To be supplied loose).											
i)	BRASS FITTING-Double Compression Type for Connection to Air Filter Regulator		1	LOT								
ii)	BRASS FITTING-Double Compression Type for Connection to Solenoid Valve		1	LOT								
iii)	BRASS FITTING-Double Compression Type for Connection to IA Header Isolation Valve		1	LOT								
iv)	BRASS TEE		1	LOT								
[D]	START-UP/COMMISSIONING SPARES											
(I)	TOTAL PRICE FOR 1 SETS OF BODY AND BONNET GASKET & 1 SETS OF GLAND PACKINGS PER CV		1	LOT								
[E]	MANDATORY SPARES (As per Annexure-A)		1	LOT								
[F]	DIAGNOSTIC SOFTWARE: Software for diagnostic & configuration with facility of configuring all valve tags in a unit through polling & without any change in wiring.		1	LOT								
[G]	HAND HELD HART CALIBRATOR		2	Nos.								
[H]	DOCUMENTATION CHARGES FOR THE FINAL DOCUMENTS & SOFT COPIES		1	LOT								
	TOTAL (A+B+C+D+E+F+G+H)											



Signature of bidder with Name, designation, date & company's seal

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CONTROL VALVES (PE/PG/BL3/E-4020/13 DATED 17.06.2013)

PRICE FORMAT FOR CV TEST CHARGES			FOR INDIAN BIDDERS					FOR FOREIGN BIDDERS
S.No.	Tag No.	Location	Qty	CV test charges excluding taxes (Rs.)	Service tax Charges (Rs.)	Any Other Taxes (Rs.)	Total CV test charge incl. applicable Taxes (Rs.)	TOTAL CV TEST INCLUDING ALL TAXES (Currency)
1	ASV-8	D/A Pegging from Aux. Steam Header	1					
2	CRHV-6	D/A Pegging from CRH Line	1					
3	CDV-22 & CDV-25	Main Condensate Control	1					
4	CDV-10, CDV-12 & CDV-14	CEP A/B/C Minimum Recirculation	1					
5	CDV-39	GSC min. flow recirculation	1					
6	CDV-43	Excess Return to CST	1					
7	CDV-67	Condensate Spray to SD F/T	1					
8	CDV-72	Condensate for Valve Gland Sealing	1					
9	DRV-2 & DRV-8	HPH-7A/7B Normal Drain to HPH-6A/6B	1					
10	DRV-5 & DRV-11	HPH-7A/7B Alt.Drain to HP Drain F/T	1					
11	DRV-15 & DRV-22	HPH-6A/6B Normal Drain to Deaerator	1					
12	DRV-18 & DRV-25	HPH-6A/6B Alt. Drain to HP Drain F/T	1					



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S.No.	Tag No.	Location	Qty	CV test charges excluding taxes (Rs.)	Service tax Charges (Rs.)	Any Other Taxes (Rs.)	Total CV test charge incl. applicable Taxes (Rs.)	TOTAL CV TEST INCLUDING ALL TAXES (Currency)
13	DRV-28	LPH-3 Normal Drain to LPH-2	1					
14	DRV-31	LPH-3 Alt. Drain to LP Drain F/T	1					
15	DRV-34	LPH-2 Normal Drain to LPH-1	1					
16	DRV-37	LPH-2 Alt. Drain to LP Drain F/T	1					
17	DRV-48	Deaerator Overflow to LP Drain F/T	1					
18	DRV-53 & DRV-59	HPH-8A/8B Normal Drain to HPH-7A/7B	1					
19	DRV-56 & DRV-62	HPH-8A/8B Alt. Drain to SD F/T	1					
20	DRV-65	LPH-4 Normal Drain to LPH-3	1					
21	DRV-68	LPH-4 Alt. Drain to LP Drain F/T	1					
22	DMV-2	DM Normal MU to Hotwell	1					
23	DMV-9	Emergency MU to Hotwell	1					



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S.No.	Tag No.	Location	Qty	CV test charges excluding taxes (Rs.)	Service tax Charges (Rs.)	Any Other Taxes (Rs.)	Total CV test charge incl. applicable Taxes (Rs.)	TOTAL CV TEST INCLUDING ALL TAXES (Currency)
24	FDV-14	Low Load Feed Control	1					
TOTAL								

NOTE: a) CHARGES TO BE INDICATED AGAINST EACH TAG NO.

b) CV TEST TO BE CONDUCTED FOR ONE PER TYPE PER SIZE, CV VALUE. TAG NOS. TO BE GROUPED ACCORDINGLY AND INDICATED.

c) 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.

d) 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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PROJECT: 1x700 MW BELLARY UNIT-3 - ANNEXURE-A										
CONTROL VALVES (PE/PG/BL3/E-4020/13 DATED 17.06.2013)										
PRICE FORMAT FOR MANDATORY SPARES			FOR INDIAN BIDDERS						FOR FOREIGN BIDDERS	
S. No.	ITEM DESCRIPTION	TOTAL QTY	Unit Ex-Work Price (Rs)	Total Ex works Price (Rs)	ED including CESS @% (for self manufactured items only) (Rs)	CST @% against Form-C /VAT (Rs)	FREIGHT CHARGES (Including Service tax @ applicable rate)-to be quoted as % of Ex-Works (Rs.)	TOTAL F.O.R. Site Price (Rs)	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)
LIST OF MANDATORY SPARES										
1	Plug, stem assembly	1 no. of each type								
2	Seat Ring	1 no. of each type								
3	Packing & gaskets	1 no. of each type								
4	Pilot Relay	1 no. of each type								
5	Actuator Diaphragms.	1 no. of each type								
6	O-Rings	2 no. of each type								
7	Feedback Linkages	1 no. of each type								
8	Positioner	2 Nos.of each type								
9	Airlock Relays	1 no. of each type								
	TOTAL									

Note: The Actual Quantity shall be worked out during detailed Engineering.



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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 (24 WAYS)						
12	HANDWHEEL						
13	HART CALIBRATOR						
14	PERSONAL COMPUTER (INDUSTRIAL GRADE)						



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15	SOFTWARE FOR POSITIONER(DIAGONOSTIC)						
16	HARDWARE FOR CONNECTION B/W PC & CV POSITIONER (RS-232/485 CONVERTER, MULTIPLEXER & HART MODEM, ETC.)						
17	ACTUATOR OF EACH TYPE (Separate list to be attached if required)						
18	BRASS FITTING FOR CONNECTION TO AIR FILTER REGULATOR						
19	BRASS FITTING FOR CONNECTION TO SOLENOID VALVE						
20	BRASS FITTINGS FOR CONNECTING TO AIR HEADER						
21	EQUAL COPPER TEE						
22	COPPER TUBING PER METRE						

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