

PROJECT: 1x700 MW Bellary TPS Unit#3										ANNEXURE - A	
PACKAGE:- Control Valves (Enquiry No.-PE/PG/BL3/E-3403/11 dtd. 27/01/2012)											
SUGGESTIVE PRICE FORMAT											
S. No.	TAG NO.	SERVICE	TOTAL QTY	Unit of Measure	Unit Ex-Work price (Rs)	Total Ex works Price (Rs)	ED including CESS @% (Rs)	CST / VAT @% against Form-C (Rs)	FREIGHT incl. Service Tax,@% (Rs)	TOTAL F.O.R. Site Price (Rs)	
[A] CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES											
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 HP Drain 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.							
[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).										

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SUGGESTIVE PRICE FORMAT											
S. No.	TAG NO.	SERVICE	TOTAL QTY	Unit of Measure	Unit Ex-Work price (Rs)	Total Ex works Price (Rs)	ED including CESS @% (Rs)	CST / VAT @% against Form-C (Rs)	FREIGHT Incl. Service Tax,@....% (Rs)	TOTAL F.O.R. Site Price (Rs)	
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							
[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-C)	1	LOT							
[F]		HARDWARE FOR CONNECTION BW CV POSITIONER & HMS SYSTEM AT POSITIONER END (RS-232/485 CONVERTER, MULTIPLEXER & HART MODEM, ETC.)	1	LOT							
[G]		PC(INDUSTRIAL GRADE) AND DIAGNOSTIC SOFTWARES for diagnostic & configuration with facility of configuring all valve tags in a unit through polling & without any change in wiring.	1	LOT							
[H]		CV TEST CHARGES (ONE PER TYPE PER SIZE, CV VALUE. TAG NOS. TO BE GROUPED ACCORDINGLY AND INDICATED.)	1	LOT							
[I]		DOCUMENTATION CHARGES FOR THE FINAL DOCUMENTS & SOFT COPIES.	1	LOT							
		TOTAL (A + B + C + D+E+F+G+H+I)									

Adithyana

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

PROJECT: 1x700 MW Bellary TPS Unit#3						ANNEXURE - B	
PACKAGE:- Control Valves (Enquiry No.-PE/PG/BL3/E-3403/11 dtd. 27/01/2012)							
SUGGESTIVE PRICE FORMAT FOR CV TEST CHARGE - Each type(Model/size)							
S.No.	Tag No.	Location	Qty	Unit Ex-works price of CV test charges (Rs.)	ED @....% (Rs.)	CST @....% (Rs.)	Total CV test charge incl. applicable Taxes (Rs.)
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				
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 HP Drain 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				
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.



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PROJECT: 1x700 MW Bellary TPS Unit#3				ANNEXURE - C				
PACKAGE:- CONTROL VALVES- MANDATORY SPARES (Enquiry No.-PE/PG/BL3/E-3403/11 dtd. 27/01/2012)								
SUGGESTIVE PRICE FORMAT								
S. No.	ITEM DESCRIPTION	QTY	Unit Ex-Work price (Rs)	Total Ex-works price (Rs)	ED including CESS @ % (Rs)	CST / VAT @ % (Rs)	Freight including Service Tax, @....% (Rs)	TOTAL F.O.R. Site Price (Rs)
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.						
9	Airlock Relays	1 no. of each type						
	Total							

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



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PROJECT: 1x700 MW Bellary TPS Unit#3		ANNEXURE - D
PACKAGE:- Control Valves (Enquiry No.-PE/PG/BL3/E-3403/11 dtd. 27/01/2012)		
SUGGESTIVE PRICE FORMAT FOR UNIT PRICE OF COMMISSIONING SPARES		
S. No.	ITEM	UNIT PRICE Ex Works) (Rs.)
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)	
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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