

ANNEXURE-I

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

PRICE SCHEDULE FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES

MAIN SUPPLY ALONG WITH COMMISSIONING SPARES

FOR INDIAN BIDDERS					FOR FOREIGN BIDDERS								
SL NO	ITEM DESCRIPTION	TAG NO	UOM	TOTAL QTY	UNIT EX- WORKS PRICE (DULY PACKED) (₹)	TOTAL EX- WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /IE/II (₹)	SERVICE TAX @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
A	CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL ACCESSORIES MOUNTED, PIPED AND TERMINATED ON JB												
A.1	DIA PEGGING FROM AUX STEAM HEADER	ASV-8	NOS	2.00									
A.2	DIA PEGGING FROM CRH LINE	CRHV-6	NOS	2.00									
A.3	MAIN CONDENSATE CONTROL	CDV-22 & CDV-25	NOS	4.00									
A.4	CEP ABC MINIMUM CIRCULATION	CDV-10, CDV-12 & CDV-14	NOS	6.00									
A.5	EXCESS DUMP CONTROL	CDV-43	NOS	2.00									
A.6	GSC MINIMUM FLOW RECIRCULATION	CDV-39	NOS	2.00									
A.7	CONDENSATE FOR FLASH TANK-B	CDV-67	NOS	2.00									
A.8	CONDENSATE FOR VALVE GLAND SEALING	CDV-72	NOS	2.00									
A.9	HPH-7A NORMAL DRAIN TO HPH-6A	DRV-53	NOS	2.00									
A.10	HPH-7B NORMAL DRAIN TO HPH-6B	DRV-59	NOS	2.00									
A.11	HPH-7A ALT DRAIN TO FIT-A	DRV-56	NOS	2.00									
A.12	HPH-7B ALT DRAIN TO FIT-B	DRV-62	NOS	2.00									
A.13	HPH-6A NORMAL DRAIN TO HPH-5A	DRV-2	NOS	2.00									
A.14	HPH-6B NORMAL DRAIN TO HPH-5B	DRV-8	NOS	2.00									
A.15	HPH-6A ALT DRAIN TO FIT-B	DRV-5	NOS	2.00									
A.16	HPH-6B ALT DRAIN TO FIT-B	DRV-11	NOS	2.00									
A.17	HPH-5A DRAIN TO DEAEATOR	DRV-15	NOS	2.00									
A.18	HPH-5B DRAIN TO DEAEATOR	DRV-22	NOS	2.00									
A.19	HPH-5A ALT DRAIN TO FIT-A	DRV-18	NOS	2.00									
A.20	HPH-5B ALT DRAIN TO FIT-A	DRV-25	NOS	2.00									
A.21	LPH-3 NORMAL DRAIN TO LPH-2	DRV-28	NOS	2.00									
A.22	LPH-3 ALT DRAIN TO FIT-A	DRV-31	NOS	2.00									

Sunil Sahni
23/8/12

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MAIN SUPPLY ALONG WITH COMMISSIONING SPARES

SL NO	ITEM DESCRIPTION	TAG NO	UOM	TOTAL QTY	UNIT EX- WORKS PRICE (DULY PACKED) (₹)	TOTAL EX- WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /IE/II (₹)	SERVICE TAX @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	FOR FOREIGN BIDDERS	
												UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
A.23	LPH-2 NORMAL DRAIN TO LPH-1	DRV-34	NOS	2.00									
A.24	LPH-2 ALT DRAIN TO FIT-B	DRV-37	NOS	2.00									
A.25	DEAERATOR OVERFLOW TO FIT-A	DRV-48	NOS	2.00									
A.26	DM NORMAL MU TO HOTWELL	DMV-19	NOS	2.00									
A.27	DM EMERGENCY MU TO HOTWELL	DMV-23	NOS	2.00									
A.28	LOW LOAD FEED CONTROL	FDV-14	NOS	2.00									
A.29	TOTAL FROM A.1 TO A.28		NOS	62.00									
B.0	15 METERS OF 10MM OD X 1.5MM THICK PVC COATED ANNEALED Cu. TUBING FOR EACH CONTROL VALVE (TO BE SUPPLIED LOOSE)		METERS	930.00									
C.0	FITTINGS (FOR EACH CV) (TO BE SUPPLIED LOOSE)												
C.1	BRASS FITTING- DOUBLE COMPRESSION TYPE FOR CONNECTION TO AIR FILTER REGULATOR		LOT	2.00									
C.2	BRASS FITTING- DOUBLE COMPRESSION TYPE FOR CONNECTION TO SOLENOID VALVE		LOT	2.00									
C.3	BRASS FITTING- DOUBLE COMPRESSION TYPE FOR CONNECTION TO IA HEADER ISOLATION VALVE		LOT	2.00									
C.4	BRASS TEE		LOT	2.00									
D.0	MANDATORY SPARES	(AS PER ANNEXURE II)	LOT	2.00									
E.0	HAND HELD HART CALIBRATOR		NOS	2.00									
F.0	PC (INDUSTRIAL GRADE) AND DIAGNOSTIC SOFTWARE (Software for diagnostic & configuration with facility of configuring all valve tags in a unit through polling & without any change in wiring)		LOT	2.00									
G.0	CV TEST CHARGES (ONE PER TYPE PER SIZE, CV VALUE. TAG NOS. TO BE GROUPED ACCORDINGLY AND INDICATED)	(AS PER ANNEXURE III)	LOT	1.00									

Summed Total
₹ 1,16,112

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MAIN SUPPLY ALONG WITH COMMISSIONING SPARES

SL NO	ITEM DESCRIPTION	TAG NO	UOM	TOTAL QTY	UNIT EX- WORKS PRICE (DULY PACKED) (₹)	TOTAL EX- WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /IE/II (₹)	SERVICE TAX @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	FOR FOREIGN BIDDERS		
											UNIT PRICE FOB (CURRENCY)	TOTAL F.O.R SITE PRICE (₹)	TOTAL PRICE FOB (CURRENCY)
H.0	START UP/COMMISSIONING SPARES (TOTAL PRICE FOR 1 SETS OF BODY AND BONNET GASKET & 1 SETS OF GLAND PACKINGS PER CV)												
H.1	D/A PEGGING FROM AUX STEAM HEADER	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.2	D/A PEGGING FROM CRH LINE	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.3	MAIN CONDENSATE CONTROL	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.4	CEP A/B/C MINIMUM CIRCULATION	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.5	EXCESS DUMP CONTROL	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.6	GSC MINIMUM FLOW RECIRCULATION	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.7	CONDENSATE FOR FLASH TANK-B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.8	CONDENSATE FOR VALVE GLAND SEALING	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.9	HPH-7A NORMAL DRAIN TO HPH-6A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.10	HPH-7B NORMAL DRAIN TO HPH-6B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									

Sumit Sahas
22/8/12

ANNEXURE-J

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

PRICE SCHEDULE FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES

MAIN SUPPLY ALONG WITH COMMISSIONING SPARES

SL NO	ITEM DESCRIPTION	TAG NO	UOM	TOTAL QTY	UNIT EX- WORKS PRICE (DULY PACKED) (₹)	TOTAL EX- WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /IEI/II (₹)	SERVICE TAX @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	FOR FOREIGN BIDDERS	
												UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
H.11	HPH-7A ALT DRAIN TO F/T-A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.12	HPH-7B ALT DRAIN TO F/T-B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.13	HPH-6A NORMAL DRAIN TO HPH-5A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.14	HPH-6B NORMAL DRAIN TO HPH-5B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.15	HPH-6A ALT DRAIN TO F/T-B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.16	HPH-6B ALT DRAIN TO F/T-B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.17	HPH-5A DRAIN TO DEAERATOR	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.18	HPH-5B DRAIN TO DEAERATOR	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.19	HPH-5A ALT DRAIN TO F/T-A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.20	HPH-5B ALT DRAIN TO F/T-A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.21	LPH-3 NORMAL DRAIN TO LPH-2	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.22	LPH-3 ALT DRAIN TO F/T-A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									

Sumit Singh
22/6/12

ANNEXURE-I

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

PRICE SCHEDULE FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES

MAIN SUPPLY ALONG WITH COMMISSIONING SPARES

SL NO	ITEM DESCRIPTION	TAG NO	UOM	TOTAL QTY	UNIT EX- WORKS PRICE (DULY PACKED) (₹)	TOTAL EX- WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /IE/II (₹)	SERVICE TAX @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	FOR FOREIGN BIDDERS	
												UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
H.23	LPH-2 NORMAL DRAIN TO LPH-1	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.24	LPH-2 ALT DRAIN TO F/T-B	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.25	DEAERATOR OVERFLOW TO F/T-A	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.26	DM NORMAL MU TO HOTWELL	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.27	DM EMERGENCY MU TO HOTWELL	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.28	LOW LOAD FEED CONTROL	Body and Bonnet Gasket	SETS	2.00									
		Gland Packing	SETS	2.00									
H.29	SUB-TOTAL (SUM OF H.1 TO H.28)												
I.0	ORDERING VALUE (A.29+B.0+C.1+C.2+C.3+C.4+D.0+E.0+F.0+G.0+H.29)												

Note:-

1. Bidder to note that total price indicated above at I.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.

2. Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.

3. For any clarification please refer Technical Specification No-PE-TS-381-145-1004

4. Indian Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works).

5. Bidder to note that for evaluation of bids in foreign currency, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered."

6. In case of foreign bidders the quoted F.O.B. price shall be loaded by following factors to arrive at total FOR site price:-

i. Marine freight and Insurance - @ 3% for Europe / Asia / Africa and 5% for USA/ American continent.

ii. Custom duty (including CVD & SAD) as per SCC - "as prevailing at the time of price bid opening"

iii. Port handling/clearing charges - @ 1.0% of CIF.

iv. Inland freight including L/C charges @ 1% of CIF value.

7. For Foreign Bidders, Additional loading of 4% against LC.

FOR TENDER/SUBMITTAL SANJAY
 POWER SODAR-PROJECT Engineering Management
 Plot No. 25, Sakinaka, Hyderabad - 500029
 PPEI Building, HRO & ESI Complex,
 Sakinaka, Hyderabad - 500029
 Plot No. 25, Sakinaka, Hyderabad - 500029

ANNEXURE-II

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

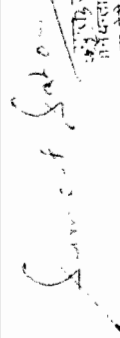
PRICE SCHEDULE FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES

MANDATORY SPARES

				FOR INDIAN BIDDERS						FOR FOREIGN BIDDERS	
SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (₹)	TOTAL EX-WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ % (₹)	CST/VAT @ % Against Form 'C' /E/II (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL F.O.R SITE PRICE (₹)	UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)
D	MANDATORY SPARES FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL ACCESSORIES MOUNTED, PIPED AND TERMINATED ON JB										
D.1	PNEUMATIC ACTUATOR ASSEMBLY	NOS	1 No. for each Type								
D.2	VALVE TRIM (INCLUDING CAGE, PLUG, STEM, SEAT RINGS, GUIDE BUSHINGS, ETC)	SET	1 Set for each Type of CV								
D.3	DIAPHRAGMS, O-RINGS, SEALS ETC	NOS	1 No. for each Type & Make								
D.4	PNEUMATIC AIR FILTER REGULATOR	NOS	10% or 2 Nos. whichever is more of each Type								
D.5	PRESSURE GUAGE	NOS	10% or 2 Nos. whichever is more of all Types, make & rating								
D.6	SOLENOID VALVES	NOS	10% or 2 Nos. whichever is more of each Type								
D.7	PNEUMATIC RELAYS	NOS	10% or 2 Nos. whichever is more of each Type								
D.8	POSITION FEEDBACK TRANSMITTERS	NOS	10% or 2 Nos. whichever is more of each Type								
D.9	POSITIONER UNIT (COMPLETE UNIT)	NOS	20% or 2 Nos. whichever is more of each Type								
D.10	AIRLOCK RELAYS	NOS	10% or 2 Nos. whichever is more of each Type								
D.11	SUB-TOTAL (SUM OF D.1 TO D.28) (Should be same as D.0 of Annexure-I)										

Note:-

1. The Actual Quantity shall be worked out during detailed Engineering.


 S. S. SATHYA / SUBJECIT SATHYA
 PROJECT (D.0.1-2) / Engineer (PC-1-2)
 Lower Sector-Project Engineering Management
 PPEI Building, HRD & ESI Complex,
 Plot No. 25, Sector - 18, Gurgaon, Haryana
 Date: 10/05/2017

ANNEXURE-III												
2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD												
PRICE SCHEDULE FOR CONTROL VALVES COMPLETE WITH PNEUMATIC ACTUATOR AND ALL THE ACCESSORIES												
CV TEST CHARGES FOR CONTROL VALVES												
FOR INDIAN BIDDERS					FOR FOREIGN BIDDERS							
SL NO	ITEM DESCRIPTION	TAG NO	UNIT	TOTAL QTY	UNIT CV TEST CHARGES (₹)	TOTAL CV TEST CHARGES (₹)	SERVICE TAX @ (₹)	TOTAL CV TEST CHARGES INCLUDING SERVICE TAX (₹)	UNIT PRICE FOB (CURRENCY)	TOTAL PRICE FOB (CURRENCY)		
G.0	CV TEST CHARGE FOR BELOW MENTIONED CONTROL VALVES											
G.1	D/A PEGGING FROM AUX STEAM HEADER	ASV-8	NOS	1								
G.2	D/A PEGGING FROM CRH LINE	CRHV-6	NOS	1								
G.3	MAIN CONDENSATE CONTROL	CDV-22 & CDV-25	NOS	1								
G.4	CEP A/B/C MINIMUM CIRCULATION	CDV-10, CDV-12 & CDV-14	NOS	1								
G.5	EXCESS DUMP CONTROL	CDV-43	NOS	1								
G.6	GSC MINIMUM FLOW RECIRCULATION	CDV-39	NOS	1								
G.7	CONDENSATE FOR FLASH TANK-B	CDV-67	NOS	1								
G.8	CONDENSATE FOR VALVE GLAND SEALING	CDV-72	NOS	1								
G.9	HPH-7A NORMAL DRAIN TO HPH-6A	DRV-53	NOS	1								
G.10	HPH-7B NORMAL DRAIN TO HPH-6B	DRV-59	NOS	1								
G.11	HPH-7A ALT DRAIN TO F/T-A	DRV-56	NOS	1								
G.12	HPH-7B ALT DRAIN TO F/T-B	DRV-62	NOS	1								
G.13	HPH-6A NORMAL DRAIN TO HPH-5A	DRV-2	NOS	1								
G.14	HPH-6B NORMAL DRAIN TO HPH-5B	DRV-8	NOS	1								
G.15	HPH-6A ALT DRAIN TO F/T-B	DRV-5	NOS	1								

Sumat Sabar
23/8/12

ANNEXURE-IV

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

**SCHEDULE OF UNIT PRICES FOR CONTROL VALVES WITH PNEUMATIC
ACUATOR**

SL NO	ITEM DESCRIPTION	UNIT PRICE (CURRENCY)
	CONTROL VALVES ACCESSORIES	
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	PNEUMATIC RELAY	
9	SOLENOID VALVE	
10	E/P CONVERTER	
11	PRESSURE GAUGES OF EACH TYPE	
12	JUNCTION BOX (24 WAYS)	
13	HANDWHEEL	
14	HART CALIBRATOR	
15	PERSONAL COMPUTER (INDUSTRIAL GRADE)	
16	SOFTWARE FOR POSITIONER (DIAGONOSTIC)	
17	HARDWARE FOR CONNECTION B/W PC & CV POSITIONER (RS-232/485 CONVERTER, MULTIPLEXER & HART MODEM, ETC)	
18	ACTUATOR OF EACH TYPE (Separate list to be attached if required)	
19	BRASS FITTING FOR CONNECTION TO AIR FILTER REGULATOR	
20	BRASS FITTING FOR CONNECTION TO SOLENOID VALVE	
21	BRASS FITTING FOR CONNECTING TO AIR HEADER	
22	EQUAL COPPER TEE	
23	BRASS TEE	
24	COPPER TUBING PER METER	
25	POSITION FEEDBACK TRANSMITTERS	

1. **NAME / SUMMER SA-1A**
 2. **विभाग (भा.जी.-1-2) / Engineer (PG-1-2)**
 3. **पता हेतु इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.**
 4. **पता: सेक्टर-प्रसिद्धता इलेक्ट्रिकल्स प्रबंधन**
 5. **Power Sector-Project Engineering Management**
 6. **पेजी ई आई बिल्डिंग, एचआरडी एंड ईएसआई कॉम्प्लेक्स,**
 7. **PEI Building, HRD & ESI Complex,**
 8. **प्लॉट नं०-25, सेक्टर-14, नए बंगला, दिल्ली-110002**
 9. **प्लॉट No. 25, Sector-14, New Bangla, Delhi-110002**