

## BOQ

### (3x200+3x500+1x500) MW NTPC KORBA TPS Stage I, II & III –FGD (466) - CONTROL VALVES & MANDATORY SPARES BOQ

SR. NO.	Tag No.	Service/Item Description	Total Qty.	EX. WORKS Unit price	Total Ex Works Price	Freight%	GST%	TOTAL FOR PRICE
<b>[A]</b>	<b>VALVE DETAILS</b>							
<b>1</b>	PGB16AA101	CV ACROSS DMCW CKT FOR FGD AUX	1					
<b>[B]</b>	1/4 " SS TUBING		15 MTR					
<b>[C]</b>	<b>SS FITTINGS- FOR EACH TAG</b>							
1	SS FITTINGS for connection to Air Filter Regulator- FOR EACH TAG		1 lot					
2	SS FITTINGS for connection to Air Lock Relay- FOR EACH TAG		1 lot					
3	SS FITTINGS for connection to IA Header Isolation Valve - FOR EACH TAG		1 lot					
4	SS EQUAL TEE - FOR EACH TAG		1 lot					
5	SS 1/2 " NPT(M) X 1/4 " OD TUBE CONNECTOR- FOR EACH TAG		1 lot					
<b>[D]</b>	<b>CV TEST CHARGES</b>							
<b>1</b>	CV TEST CONTROL VALVE (Valve Body Size -3")		1 No.					
<b>[E]</b>	<b>COMMISIONING SPARES (Gland Packing &amp; Gasket- 01 set for each CV Tag)</b>		1 lot					
<b>[F]</b>	<b>MANDATORY SPARES (Refer Tech Spec)</b>							
1	Pneumatic and electro-hydraulic actuator assembly		1 No.					
2	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.)		1 Set					
3	Diaphragms, O' rings, seals etc. of all types make etc.		1 Set					
4	Pressure Gauges of all types, make, rating etc.		2 Nos.					
5	Solenoid valves (if applicable)		2 Nos.					
6	Positioner units (complete unit)& accessories (link assembly)		1 No.					
6A	Feedback link assembly		1 No.					
7	Pneumatic air-filter/Regulator of each type, make rating		2 Nos.					
8	Air lock relays		2 Nos.					

## BOQ

### NPGCL Nabinagar (3x660 MW) FGD - CONTROL VALVES & MANDATORY SPARES BOQ

SR. NO.	Tag No.	Service/Item Description	Total Qty.	EX. WORKS Unit price	Total Ex Works Price	Freight%	GST%	TOTAL FOR PRICE
<b>[A]</b>	<b>VALVE DETAILS</b>							
<b>1</b>	PGB10AA101	ECW SYSYTEM RECIRCULATION CV	1 No.					
<b>[B]</b>	1/4 " SS TUBING		12 MTR					
<b>[C]</b>	<b>SS FITTINGS- FOR EACH TAG</b>							
1	SS FITTINGS for connection to Air Filter Regulator- FOR EACH TAG		1 lot					
2	SS FITTINGS for connection to Air Lock Relay- FOR EACH TAG		1 lot					
3	SS FITTINGS for connection to IA Header Isolation Valve - FOR EACH TAG		1 lot					
4	SS EQUAL TEE - FOR EACH TAG		1 lot					
5	SS 1/2 " NPT(M) X 1/4 " OD TUBE CONNECTOR- FOR EACH TAG		1 lot					
<b>[D]</b>	<b>CV TEST CHARGES</b>							
<b>1</b>	CV TEST CONTROL VALVE (Valve Body Size -10")		1 No.					
<b>[E]</b>	<b>COMMISIONING SPARES (Gland Packing &amp; Gasket- 01 set for each CV Tag)</b>		1 lot					
<b>[F]</b>	<b>MANDATORY SPARES (Refer Tech Spec)</b>							
1	Pneumatic and electro-hydraulic actuator assembly		1 No.					
2	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.)		1 Set					
3	Diaphragms, O' rings, seals etc. of all types make etc.		1 Set					
4	Pressure Gauges of all types, make, rating etc.		2 Nos.					
5	Solenoid valves (if applicable)		2 Nos.					
6	Positioner units (complete unit)& accessories (link assembly)		1 No.					
6A	Feedback link assembly		1 No.					
7	Pneumatic air-filter/Regulator of each type, make rating		2 Nos.					
8	Air lock relays		2 Nos.					

## BOQ

### (4x210+3x500) MW NTPC KAHALGAON TPS Stage I & II –FGD - CONTROL VALVES & MANDATORY SPARES BOQ

SR. NO.	Tag No.	Service/Item Description	Total Qty.	EX. WORKS Unit price	Total Ex Works Price	Freight%	GST%	TOTAL FOR PRICE
<b>[A]</b>	<b>VALVE DETAILS</b>							
1	1PGB15AA101	CV ACROSS ECW SYSYTEM FOR FGD AUX'S STAGE- I	1 No.					
2	2PGB15AA101	CV ACROSS ECW SYSYTEM FOR FGD AUX'S STAGE- II	1 No.					
<b>[B]</b>	1/4 " SS TUBING( 15 METER FOR EACH TAG)		30 MTR					
<b>[C]</b>	<b>SS FITTINGS- FOR EACH TAG</b>							
1	SS FITTINGS for connection to Air Filter Regulator- FOR EACH TAG		1 lot					
2	SS FITTINGS for connection to Air Lock Relay- FOR EACH TAG		1 lot					
3	SS FITTINGS for connection to IA Header Isolation Valve - FOR EACH TAG		1 lot					
4	SS EQUAL TEE - FOR EACH TAG		1 lot					
5	SS 1/2 " NPT(M) X 1/4 " OD TUBE CONNECTOR- FOR EACH TAG		1 lot					
<b>[D]</b>	<b>CV TEST CHARGES</b>							
1	CV TEST CHARGES for ECW SYSYTEM FOR FGD AUX'S STAGE- I (Valve Body Size 3")		1 No.					
2	CV TEST CHARGES for ECW SYSYTEM FOR FGD AUX'S STAGE- II (Valve Body Size 3")		1 No.					
<b>[E]</b>	<b>COMMISIONING SPARES (Gland Packing &amp; Gasket- 01 set for each CV Tag)</b>		1 lot					
<b>[F]</b>	<b>MANDATORY SPARES (Refer Tech Spec)</b>							
1	Pneumatic and electro-hydraulic actuator assembly		1 No.					
2	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.)		1 Set					
3	Diaphragms, O' rings, seals etc. of all types make etc.		1 Set					
4	Pressure Gauges of all types, make, rating etc.		2 Nos.					
5	Solenoid valves (if applicable)		2 Nos.					
6	Positioner units (complete unit)& accessories (link assembly)		1 No.					
6A	Feedback link assembly		1 No.					
7	Pneumatic air-filter/Regulator of each type, make rating		2 Nos.					
8	Air lock relays		2 Nos.					