

CONTROL VALVE AND ITS ACCESSORIES (3X660 MW NORTH KARANPURA STPP) - BREAK UP OF PRICES

ENQUIRY NO. E-7522/2024 dtd. 21.05.24

S NO	TAG NO	SERVICE	DESCRIPTION	QTY	UOM	UNIT EX-WORKS (Rs.)	TOTAL EX-WORKS (Rs.)	Freight % of Total Ex-works	Freight Charges (Rs.)	HSN CODE	Type of GST - IGST, CGST, SGST	GST %	GST Charges (Rs.)	TOTAL F.O.R. (Rs.)
A) COMPLETE CONTROL VALVE ALONG WITH ACTUATOR AND OTHER ACCESSORIES														
1	CDV-14	CEP A/B/C MIN. RECIRCULATION	CONTROL VALVE VHD 6" 300BW, A217 WC6, CV110, MOD.EQ%, 17-4-PH SS, PB, GRAFOIL-DOUBLE, VA4D	1	NO									
2	DRV-11	HPH-7A/7B ALT. DRAIN TO F/T	CONTROL VALVE VSC 6" 600BW, A217 WC9, CV276, EQ%, SS440C, FB, GRAFOIL-DOUBLE, VA3D	1	NO									
B) ACTUATOR AND OTHER ACCESSORIES FOR CONTROL VALVES AS APPLICABLE FOR THE TAGS														
1	DRV-5	HPH-7A/7B ALT. DRAIN TO F/T	GASKET(V543/V595) FOR VSC 6" 600	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 6" 600, VA3D	1	SET									
			PRESSURE SEAL FOR VSC 6" 600	1	NO									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			VOLUME BOOSTER	1	NO									
2	DRV-25	HPH-6A/6B ALT. DRAIN TO F/T	GASKET(V543/V595) FOR VSC 6" 300	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 6" 300, VA3D	1	SET									
			PRESSURE SEAL FOR VSC 6" 300	1	NO									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			VOLUME BOOSTER	1	NO									
3	DRV-59	HPH-8A/8B NORMAL DRAIN TO HPH-7A/7B	GASKET(V543(G)/MONEL) FOR VSC 4" 900	1	SET									
			PACKING(GRAFOIL) FOR VSC 4" 900, VA3R	1	SET									
			PRESSURE SEAL FOR VSC 4" 900	1	NO									
			VA3R ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			SOLENOID VALVE	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
4	DRV-56	HPH-8A/8B ALT. DRAIN TO F/T	GASKET(V543(G)/V595) FOR VSC(HT) 4" 900	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 4" 900, VA3D	1	SET									
			PRESSURE SEAL FOR VSC(HT) V 900	1	SET									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
5	DRV-62	HPH-8A/8B ALT. DRAIN TO F/T	GASKET(V543(G)/V595) FOR VSC(HT) 4" 900	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 4" 900, VA3D	1	SET									
			PRESSURE SEAL FOR VSC(HT) 4" 900	1	SET									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			GASKET(V543/V595) FOR VSC 6"300	1	SET									

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6	DRV-15	HPH-6 NORMAL DRAIN TO DEAERATOR	PACKING(GRAFOIL) FOR VSC 6" 300, VA3R	1	SET									
			PRESSURE SEAL FOR VSC 6" 300	1	NO									
			VA3R ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
7	DRV-28	LPH-3 NORMAL DRAIN TO LPH-2	VOLUME BOOSTER	1	NO									
			GASKET(V543/V595) FOR VSC 6" 300	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 6" 300, VA3R	1	SET									
			PRESSURE SEAL FOR VSC 6" 300	1	NO									
			VA3R ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
8	DRV-31	LPH-3 ALT. DRAIN TO F/T	EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			VOLUME BOOSTER	1	NO									
			GASKET(V543/V595) FOR VSC 6" 300	1	SET									
			PACKING(GRAFOIL-DOUBLE) FOR VSC 6" 300, VA3D	1	SET									
			PRESSURE SEAL FOR VSC 6" 300	1	NO									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
9	DRV-53	LPH-3 ALT. DRAIN TO F/T	SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			VOLUME BOOSTER	1	NO									
			GASKET(V543(G)/MONEL) FOR VSC 4" 900	1	SET									
			PACKING(GRAFOIL) FOR VSC 4" 900, VA3R	1	SET									
			PRESSURE SEAL FOR VSC 4" 900	1	NO									
10	CDV-43	HPH-8A/8B NORMAL DRAIN TO HPH-7A/7B	VA3R ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
			SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
			VOLUME BOOSTER	1	NO									
			GASKET(V595) FOR VHD 6" 300	1	SET									
11	CDV-12	CEP A/B/C MIN. RECIRCULATION	PACKING(GRAFOIL) FOR VHD 6" 300, VA3D	1	SET									
			PRESSURE SEAL FOR VHD 6" 300	1	NO									
			VA3D ACTUATOR WITH HANDWHEEL ASSEMBLY	1	NO									
			AIR FILTER REGULATOR	1	NO									
12	DRV-2	HPH-7A/7B NORMAL DRAIN TO HPH-6A/6B	SMART POSITIONER WITH LINKAGE ASSEMBLY (V18345-1020121001)	1	SET									
			UNIVERSAL LIMIT SWITCH ASSEMBLY	1	NO									
			EQUIPMENT JUNCTION BOX	1	NO									
			SINGLE ACTING AIR LOCK RELAY	1	NO									
13	DRV-18	HPH-6A/6B ALT. DRAIN TO F/T	VOLUME BOOSTER	1	NO									
			FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020121001)	1	SET									
			VALVE MODEL-VHD(A)-6 INCH-ACTUATOR-VA4D											
			FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020421001)	1	SET									
13	DRV-18	HPH-6A/6B ALT. DRAIN TO F/T	VALVE MODEL-VSC-6 INCH-ACTUATOR-VA5R											
			FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020121001)	1	SET									
			VALVE MODEL-VSC-6 INCH-ACTUATOR-VA3D											

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14	DRV-34	LPH-2 NORMAL DRAIN TO LPH-1	FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020121001) VALVE MODEL-VSC-8 INCH-ACTUATOR-VA4R	1	SET									
15	CDV-39	GSC MIN FLOW RECIRCULATION	FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020121001) VALVE MODEL-VHD(A)-6 INCH-ACTUATOR-VA3D	1	SET									
16	CDV-25	MAIN CONDENSATE CONTROL STN	FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020421001) VALVE MODEL-VSC(M) -14 INCH-ACTUATOR-SPA2X MF	1	SET									
17	CDV-22	MAIN CONDENSATE CONTROL STN	FEEDBACK LINKAGE ASSEMBLY ONLY FOR ABB POSITIONER (V18345-1020421001) VALVE MODEL-VSC(M) -14 INCH-ACTUATOR-SPA2X MF	1	SET									
C) SS TUBING AND FITTINGS FOR CONTROL VALVES AT SL. NO. A1 TO A2 AND B1 TO B10														
1		SS TUBINGS & FITTINGS	SS TUBE 8MM OD FOR 12 VALVES(12X12Mtrs)	144	MTR									
			SS TUBE FITTINGS FOR 12 VALVES(ELBOW, TEE,STRAIGHT) ALONG WITH ADAPTOR (1/2"(M) & 1/4"NPT(F/M)	1	SET									
D) SUPERVISION OF SERVICING OF CONTROL VALVES														
1		SUPERVISION OF SERVICING OF CONTROL VALVES **		10	MAN-DAY									
2		TRAVEL CHARGES FOR ONE VISIT (FOR TWO SERVICE ENGINEER)		1	SET									

GRAND TOTALS

**Accommodation, local conveyance, normal tools & tackles(special tools by M/s ILP), utilities, lifting/housing, repairing & testing facilities, skilled & unskilled manpower shall be provided by BHEL NKSTPP site.

NOTE : Control valve details indicated above shall also be correlated with datasheet attached elsewhere in the specification for more clarity.

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