

Ref No. : PE/PG/RTC/E-5746/2017/CORRIGENDA/01

Date: 12.10.2017

CORRIGENDA / ADDENDUM-01

OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-5746/2017, DTD-10.10.2017

DUE DATE
31.10.2017
BY 14:00PM

1. Quantity variation shall be +20%. Project list is indicative only, BHEL may ask for delivery anywhere in India for any of the project added in the prospective project/ existing projects during RC period.
2. Price schedule has been revised. Bidders to follow Revised Price Schedule Rev 01 while quoting. Bidders already submitted or sent their offers have to submit fresh offer inline with Revised Price Schedule Rev 01.

All bidders are requested to visit the website www.bhel.com (Tender Notifications Section) OR www.bhelpem.com. All future corrigenda/ amendment and due date extension, if any, for this tender shall be hosted only on above websites.

Thanking You,

With Regards,

For & on behalf of BHEL



MAZHAR WAHAB
SR ENGINEER/CMM

Please reply to:

Mazhar Wahab, Sr. Engineer
CMM

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No.0120-4213532, 09999498202

बीएसईएल ANNEXURE- I (GROUP - A) - TO NIT REF NO-PE/PG/RTC/E-5746/2017, DTD-10.10.2017 RATE CONTRACT PRICE SCHEDULE FOR STEEL(GATE/GLOBE/NRV) PACKAGE: REV.01																														
Name of Bidder:																														
SL NO.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY,BONNET & DISC MATERIAL	HINGE PIN MATERIAL	BODY & DISC SEAT AND OTHER TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE# OD X THKN		MAIN VALVES QUANTITY	+++COMMISSIONING SPARES			MAND. SPARES			REMARKS	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TOTAL BOQ GIVEN AT SL NO-32 OF COUNMN 25 (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES % OF TOTAL EX WORKS (INR)	GST @ % OF TOTAL EX WORKS + FREIGHT (INR)	TOTAL F.O.R SITE PRICE (INR)	Type of GST IGST/CGST/ UTGST/SGST	HSN Code
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	GROUP-A: MAIN SUPPLY																													
2	HV	25	MAN	10	60	SW	#800 OF BSEN ISO 15761	FCS AS PER ASTM A-105	--	--	SOCKET WELDED as per ASME B16.11	GATE TYPE HOSE VALVE	34.2	4	538	--	--	--	--	--	--		derived	8.737	derived	% to be quoted	% to be quoted	derived		
3	HV	25	MAN	10	60	SW	#800 OF BSEN ISO 15761	FCS AS PER ASTM A-105	--	--	SOCKET WELDED as per ASME B16.11	GLOBE TYPE HOSE VALVE	34.2	4.5	57	--	--	--	--	--	--		derived	1.065	derived			derived		
4	GV	25	MAN	10	60	ACW SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS	--	DUPLEX SS	SCREWED as per IS554 female parallel	--	33.4	3.38	14	--	--	--	--	--	--		derived	2.272	derived			derived		
5	GV	50	MAN	10	60	ACW & ETP SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS	--	DUPLEX SS	SCREWED as per IS554 female parallel	--	60.3	3.91	53	--	--	--	--	--	--		derived	26.662	derived			derived		
6	GLV	25	MAN	7.5	60	SEA WATER INTAKE SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	SCREWED as per IS554 female parallel	--	33.4	3.38, 4.0	26	--	--	--	--	--	--		derived	4.964	derived			derived		
7	GLV	25	MAN	10,12	60	DMCW SYSTEM	# 800 of BSEN ISO 15761	SS 316L	--	SS 316L	SOCKET WELDED as per ASME B16.11	--	33.4,34.2	3.4, 4.0	56	--	--	--	--	--	--		derived	4.455	derived			derived		
8	GLV	40	MAN	10	60	DMCW SYSTEM	# 800 of BSEN ISO 15761	SS 316L	--	SS 316L	SOCKET WELDED as per ASME B16.11	--	48.80	4.00	6	--	--	--	--	--	--		derived	1.194	derived			derived		
9	GLV	50	MAN	10,12	60	DMCW SYSTEM	# 800 of BSEN ISO 15761	SS 316L	--	SS 316L	SOCKET WELDED as per ASME B16.11	--	60.8,60.3	4.5, 3.9	31	--	--	--	--	--	--		derived	7.644	derived			derived		
10	GLV	50	MAN	8	60	ACW/ PLANT WATER SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	SCREWED as per IS554 female parallel	--	60.8	3.91, 4.5	30	--	--	--	--	--	--		derived	17.754	derived			derived		
11	GLV	50	MO	10	60	DMCW SYSTEM	# 800 of BSEN ISO 15761	SS 316L	--	SS 316L	SOCKET WELDED as per ASME B16.11	1. OPEN /CLOSE TIME SHALL BE 40-60 SEC. 2.ON/OFF TYPE	60.3, 60.8	3.9, 4.5	2	--	--	--	--	--	--	FOR ACTUATOR DETAIL, REFER ACTUATOR DATA SHEET SPEC. NO. PE-TS-020-145-I007B	derived	2.188	derived			derived		
12	PLNRV	25	AUTO	10,12	60	DMCW SYSTEM	# 800 of BSEN ISO 15761	SS 316L	SS 316L	SS 316L	SOCKET WELDED as per ASME B16.11	--	33.40	3.40	2	--	--	--	--	--	--		derived	0.294	derived			derived		
13	PLNRV	50	AUTO	10	60	ETP SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS	--	DUPLEX SS	SCREWED as per IS554 female parallel	--	60.3	3.91	36	--	--	--	--	--	--		derived	21.203	derived			derived		
14	Total (Sl. No. 2 to 13)															851	--	--	--	--	--	--			98.432					
15	GROUP-A: COMMISSIONING SPARES																													
16	HV	25	MAN	10	60	SW	#800 OF BSEN ISO 15761	FCS AS PER ASTM A-105	--	--	SOCKET WELDED as per ASME B16.11	GATE TYPE HOSE VALVE	34.2	4	--	538	538	--	--	--	--		derived	0.492	derived	% to be quoted	% to be quoted	derived		
17	HV	25	MAN	10	60	SW	#800 OF BSEN ISO 15761	FCS AS PER ASTM A-105	--	--	SOCKET WELDED as per ASME B16.11	GLOBE TYPE HOSE VALVE	34.2	4.5	--	57	57	--	--	--	--		derived	0.06	derived			derived		
18	GV	25	MAN	10	60	ACW SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS	--	DUPLEX SS	SCREWED as per IS554 female parallel	--	33.4	3.38	--	14	14	--	--	--	--		derived	0.038	derived			derived		
19	GV	50	MAN	10	60	ACW & ETP SYSTEM	#800 OF BSEN ISO 15761	DUPLEX SS	--	DUPLEX SS	SCREWED as per IS554 female parallel	--	60.3	3.91	--	53	53	--	--	--	--		derived	0.199	derived			derived		



ANNEXURE- II (GROUP - B) - TO NIT REF NO-PE/PG/RTC/E-5746/2017, DTD-10.10.2017

RATE CONTRACT

PRICE SCHEDULE FOR STEEL(GATE/GLOBE/NRV) PACKAGE: REV.01

Name of Bidder:

SL NO.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY,BONNET & DISC MATERIAL	HINGE PIN MATERIAL	BODY & DISC SEAT AND OTHER TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE#		MAIN VALVES QUANTITY	+++COMMISSIONING SPARES			MAND. SPARES			REMARKS	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TOTAL BOQ GIVEN AT SL NO-51 OF COUNM 25 (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES % OF TOTAL EX WORKS (INR)	GST @ % OF TOTAL EX WORKS + FREIGHT (INR)	TOTAL F.O.R SITE PRICE (INR)	Type of GST IGST/CGST/ UTGST/SGST	HSN Code																
				OD	X THKN								BONNET/ COVER GASKET (NOS)	GLAND PACKING (SETS)		ACTUATO R O-RING AND SEAL (SETS)	DISC(Nos.)	BODY SEAT RING (SET)	BONNET GASKET (SET)																											
				MM	MM																																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																
1	GROUP-B: MAIN SUPPLY																																													
2	GV	80	MAN	10,12	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	89.50	4.80	3	--	--	--	--	--	--		derived	0.135	derived				derived																	
3	GV	100	MAN	12,10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	115.00	5.40	4	--	--	--	--	--	--		derived	0.249	derived				derived																	
4	GV	150	MAN	10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	166.50	5.40	4	--	--	--	--	--	--		derived	0.463	derived				derived																	
5	GV	150	MAN	8	60	ACW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	65	--	--	--	--	--	--		derived	7.52	derived				derived																	
6	GV	150	MAN	8	60	ACW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	30	--	--	--	--	--	--		derived	3.471	derived				derived																	
7	GV	200	MAN	5.5/ 5/ 10	60	CW & SEA WATER INTAKE SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	22	--	--	--	--	--	--		derived	3.832	derived				derived																	
8	GV	200	MAN	5.5/ 5/ 10	60	CW & SEA WATER INTAKE SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	95	--	--	--	--	--	--		derived	16.549	derived				derived																	
9	GV	200	MAN	10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	219.10	6.40	2	--	--	--	--	--	--		derived	0.348	derived				derived																	
10	GV	200	MO	10	60	PW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	1. OPEN /CLOSE TIME SHALL BE 40-60 SEC. 2.ON/OFF TYPE	219.1	6.40	1	--	--	--	--	--	--	FOR ACTUATOR DETAIL, REFER ACTUATOR DATA SHEET SPEC. NO. PE-TS-020-145-I007A	derived	0.3	derived				derived																	
11	GLV	80	MAN	10,12	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	89.50	4.80	3	--	--	--	--	--	--		derived	0.151	derived				derived																	
12	GLV	100	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	115.00	5.40	1	--	--	--	--	--	--		derived	0.082	derived				derived																	
13	GLV	150	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	166.50	5.40	4	--	--	--	--	--	--		derived	0.599	derived				derived																	
14	GLV	150	MAN	8	60	ACW SYSTEM	#150 OF BS 1873	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	4	--	--	--	--	--	--		derived	0.599	derived				derived																	
15	GLV	150	MAN	10	60	ACW SYSTEM	# 150 of BS 1873	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	4	--	--	--	--	--	--		derived	0.599	derived				derived																	
16	GLV	150	MO	12	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	1. OPEN /CLOSE TIME SHALL BE 40-60 SEC. 2.INCHING TYPE	166.50	5.40	1	--	--	--	--	--	--	FOR ACTUATOR DETAIL, REFER ACTUATOR DATA SHEET SPEC. NO. PE-TS-020-145-I007C	derived	0.225	derived				derived																	
17	GLV	200	MAN	10	60	ACW SYSTEM	# 150 of BS 1873	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	10	--	--	--	--	--	--		derived	2.286	derived				derived																	
18	GLV	200	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	219.10	6.40	2	--	--	--	--	--	--		derived	0.457	derived				derived																	
19	SCNRV	200	AUTO	10	60	CW SYSTEM	#150 OF BS 1868	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	4	--	--	--	--	--	--		derived	0.697	derived				derived																	
20	SCNRV	300	AUTO	12	60	DMCW SYSTEM	# 150 of BS 1868	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	323.90	6.40	2	--	--	--	--	--	--		derived	1.116	derived				derived																	

SL NO.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY,BONNET & DISC MATERIAL	HINGE PIN MATERIAL	BODY & DISC SEAT AND OTHER TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE# OD X THKN		MAIN VALVES QUANTITY	+++COMMISSIONING SPARES			MAND. SPARES			REMARKS	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TOTAL BOQ GIVEN AT SL NO-51 OF COUNMN 25 (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES % OF TOTAL EX WORKS (INR)	GST @ % OF TOTAL EX WORKS + FREIGHT (INR)	TOTAL F.O.R SITE PRICE (INR)	Type of GST IGST/CGST/ UTGST/SGST	HSN Code
				PRESSURE KG/CM2(G)	TEMP (DEG ° C)								MM	MM		BONNET/ COVER GASKET (NOS)	GLAND PACKING (SETS)	ACTUATO R O-RING AND SEAL (SETS)	DISC(Nos.)	BODY SEAT RING (SET)	BONNET GASKET (SET)									
21	SCNRV	400	AUTO	10	60	PLANT WATER INTAKE SYSTEM	#150 OF BS 1868	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	406.4	8.00	3	--	--	--	--	--	--		derived	2.443	derived	% to be quoted	% to be quoted	derived		
22	SCNRV	500	AUTO	10	60	DMCW SYSTEM	# 150 of BS 1868	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	508.00	8.00	3	--	--	--	--	--	--		derived	4.446	derived			derived		
23	SCNRV	800	AUTO	8	60	ACW SYSTEM	#150 OF API- 6D	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.47 R/F	--	813	10.00	7	--	--	--	--	--	--	SCNRVs TO BE PROVIDED WITH HYDRAULIC DASHPOT ARRANGEMENT	derived	27.883	derived			derived		
24	SCNRV	1000	AUTO	7.5	60	ACW SYSTEM	#150 OF BSEN558	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.47 R/F	--	1016	10.00	4	--	--	--	--	--	--	SCNRVs TO BE PROVIDED WITH HYDRAULIC DASHPOT ARRANGEMENT	derived	24.571	derived			derived		
25	Total (Sl. No. 2 to 24)														278	--	--	--	--	--	--		99.021							
26	GROUP-A: COMMISSIONING SPARES																													
27	GV	80	MAN	10,12	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	89.50	4.80	--	3	3	--	--	--	--		derived	0.001	derived	% to be quoted	% to be quoted	derived		
28	GV	100	MAN	12,10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	115.00	5.40	--	4	4	--	--	--	--		derived	0.002	derived			derived		
29	GV	150	MAN	10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	166.50	5.40	--	4	4	--	--	--	--		derived	0.005	derived			derived		
30	GV	150	MAN	8	60	ACW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	--	65	65	--	--	--	--		derived	0.075	derived			derived		
31	GV	150	MAN	8	60	ACW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	--	30	30	--	--	--	--		derived	0.035	derived			derived		
32	GV	200	MAN	5.5/ 5/ 10	60	CW & SEA WATER INTAKE SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	--	22	22	--	--	--	--		derived	0.038	derived			derived		
33	GV	200	MAN	5.5/ 5/ 10	60	CW & SEA WATER INTAKE SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	--	95	95	--	--	--	--		derived	0.165	derived			derived		
34	GV	200	MAN	10	60	DMCW SYSTEM	# 150 of BSEN 10434	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	219.10	6.40	--	2	2	--	--	--	--		derived	0.003	derived			derived		
35	GV	200	MO	10	60	PW SYSTEM	#150 OF BSEN ISO 10434	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	1. OPEN /CLOSE TIME SHALL BE 40-60 SEC. 2.ON/OFF TYPE	219.1	6.40	--	1	1	1	--	--	--	FOR ACTUATOR DETAIL, REFER ACTUATOR DATA SHEET SPEC. NO. PE-TS-020-145-I007A	derived	0.01	derived			derived		
36	GLV	80	MAN	10,12	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	89.50	4.80	--	3	3	--	--	--	--		derived	0.002	derived			derived		
37	GLV	100	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	115.00	5.40	--	1	1	--	--	--	--		derived	0.001	derived			derived		
38	GLV	150	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	166.50	5.40	--	4	4	--	--	--	--		derived	0.006	derived			derived		
39	GLV	150	MAN	8	60	ACW SYSTEM	#150 OF BS 1873	DUPLEX SS (UNS 31803/ UNS 32205)	--	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	--	4	4	--	--	--	--		derived	0.006	derived			derived		
40	GLV	150	MAN	10	60	ACW SYSTEM	# 150 of BS 1873	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	168.3	3.40	--	4	4	--	--	--	--		derived	0.006	derived			derived		
41	GLV	150	MO	12	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	1. OPEN /CLOSE TIME SHALL BE 40-60 SEC. 2.INCHING TYPE	166.50	5.40	--	1	1	1	--	--	--	FOR ACTUATOR DETAIL, REFER ACTUATOR DATA SHEET SPEC. NO. PE-TS-020-145-I007C	derived	0.008	derived			derived		
42	GLV	200	MAN	10	60	ACW SYSTEM	# 150 of BS 1873	DUPLEX SS	--	DUPLEX SS	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	--	10	10	--	--	--	--		derived	0.023	derived			derived		
43	GLV	200	MAN	10	60	DMCW SYSTEM	# 150 of BS 1873	Equivalent casting grade of SS 316L grade	--	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	219.10	6.40	--	2	2	--	--	--	--		derived	0.005	derived			derived		

SL NO.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY,BONNET & DISC MATERIAL	HINGE PIN MATERIAL	BODY & DISC SEAT AND OTHER TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE# OD X THKN		MAIN VALVES QUANTITY	+++COMMISSIONING SPARES			MAND. SPARES			REMARKS	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TOTAL BOQ GIVEN AT SL NO-51 OF COLUMN 25 (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES % OF TOTAL EX WORKS (INR)	GST @ % OF TOTAL EX WORKS + FREIGHT (INR)	TOTAL F.O.R SITE PRICE (INR)	Type of GST IGST/CGST/UTGST/SGST	HSN Code		
				PRESSURE KG/CM2(G)	TEMP (DEG °C)								MM	MM		BONNET/ COVER GASKET (NOS)	GLAND PACKING (SETS)	ACTUATOR O-RING AND SEAL (SETS)	DISC(Nos.)	BODY SEAT RING (SET)	BONNET GASKET (SET)											
44	SCNRV	200	AUTO	10	60	CW SYSTEM	#150 OF BS 1868	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	219.1	6.40	--	4	--	--	--	--	--		derived	0.007	derived			derived				
45	SCNRV	300	AUTO	12	60	DMCW SYSTEM	# 150 of BS 1868	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	323.90	6.40	--	2	--	--	--	--	--		derived	0.011	derived			derived				
46	SCNRV	400	AUTO	10	60	PLANT WATER INTAKE SYSTEM	#150 OF BS 1868	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.5 R/F	--	406.4	8.00	--	3	--	--	--	--	--		derived	0.024	derived			derived				
47	SCNRV	500	AUTO	10	60	DMCW SYSTEM	# 150 of BS 1868	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	Equivalent casting grade of SS 316L grade	FLANGED as per Class 150 of ASME B16.5 R/F	--	508.00	8.00	--	3	--	--	--	--	--		derived	0.044	derived			derived				
48	SCNRV	800	AUTO	8	60	ACW SYSTEM	#150 OF API- 6D	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.47 R/F	--	813	10.00	--	7	--	--	--	--	--	SCNRVs TO BE PROVIDED WITH HYDRAULIC DASHPOT ARRANGEMENT	derived	0.265	derived			derived				
49	SCNRV	1000	AUTO	7.5	60	ACW SYSTEM	#150 OF BSEN558	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	DUPLEX SS (UNS 31803/ UNS 32205)	FLANGED AS PER ASME B16.47 R/F	--	1016	10.00	--	4	--	--	--	--	--	SCNRVs TO BE PROVIDED WITH HYDRAULIC DASHPOT ARRANGEMENT	derived	0.237	derived			derived				
50	Total (Sl. No. 27 to 49)																								0.979							
51	Total (Sl. No. 25 + 50)													0	278	255	2									100.0	TO BE QUOTED = Rs X			Derived = Y		
Rs. X in figure and words:																																
NOTES 1. LEGENDS: MAN=MANUAL, MO=MOTORISED, GV=GATE VALVE, GLV=GLOBE VALVE, SC NRV= SWING CHECK NON RETURN VALVE , PLNRV= PISTON LIFT NON RETURN VALVE 2.+++ COMMISSIONING SPARES: a). ONE SET OF GLAND PACKING & BONNET GASKET FOR EACH GATE/ GLOBE VALVE b)ONE NO. OF COVER GASKET FOR SWING CHECK NON RETURN VALVE. 3.MAIN VALVE PRICES SHALL BE EXCLUSIVE OF COST OF COMMISSIONING SPARES PRICES. 4. BIDDER IS REQUIRED TO QUOTE UNIT PRICE OF EACH AND EVERY ITEMS UNDER COMMISSIONING SPARES SEPARATELY AND INDIVIDUALLY (i.e. PRICES OF ALL COMMISSIONING SPARES SHALL NOT BE CLUBBED/INCLUDED IN THE UNIT PRICES OF MAIN VALVES). 5.MANDATORY SPARES PRICES SHALL BE QUOTED BY BIDDER SEPARATELY. 6.#: MATCHING PIPE, OD, THICKNESS ETC. SHALL BE INFORMED AS PER PROJECT SPECIFIC REQUIREMENT. 8. Bidder to note that evaluation shall be on Grand Total FOR site price excluding GST to BHEL, however, Bidder to quote grand total Ex works value (Rs X) of the complete package only as per the BOQ above. The item wise break up of Ex works prices (unit as well as total) shall be derived as per the formulae indicated above by BHEL. Bidder also need to indicate taxes percentage in the respective column and freight percentage of Ex works value considering delivery anywhere in India in the freight column. Bidder to indicate freight charges separately. Freight charges shall not be included in Ex-works price. 9. Rate contract shall be decided on the basis of grand Total FOR site price excluding GST of Total BOQ 10. Value is to be filled only where "to be quoted" is mentioned and for other columns where "derived" is mentioned same shall be derived by BHEL as per % allocation fixed against each item 11. Bidder to note that total price indicated above at Sl no-51 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. 12. The unit price quoted by bidder shall be binding for quantity variation which is at discretion of purchaser. 13. Prices shall remain firm during contract execution. 14. For any clarification please refer Technical Specification No-PE-TS-020-100-M001 15. Price of all accessories, commissioning spares, special Tools & tackle and other accessories not listed above shall be included in the price of STEEL(GATE/GLOBE/NRV) PACKAGE & shall be supplied with the Steam Traps. 16. In case of spares, any item indicated as "Not Applicable" by bidder but actually found applicable for STEEL(GATE/GLOBE/NRV) PACKAGE , shall be supplied by bidder at cost based on cost percentage break-up for spares furnished along with NIT. 17. Bidder shall furnish this price Schedule indicating "Quoted/Not-Quoted" along with technical offer and actual prices in his price offer.																																