



BOQ CUM PRICE FORMAT FOR BUTTERFLY VALVES (WATER SYSTEM)
1X800MM NORTH CHENNAI STAGE III PROJECT, ENQUIRY NUMBER :- PEIPGITANIE-5779/2017 Dtd 28.11.2017

1.0 MAIN SUPPLY VALVES															FOR INDIAN BIDDER										FOR FOREIGN BIDDER						
SL NO.	TAG NOS.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY & DISC MATERIAL	TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE		MAIN VALVES QTY WITHOUT COMMISSIONING SPARES NOS.	HSN Code	UNIT EX- WORKS PRICE (DULY PACKED) (INR) (1)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (2)	FREIGHT CHARGES (3)		TOTAL PRICES (ex works + freight) (INR) (4)	APPLICABLE GST RATE IN % ON TOTAL EX WORKS + FREIGHT BOTH (INR) (5)	TOTAL PRICE F.O.R Prices with taxes (INR) (6)	UNIT C&F Price (Currency) (7)	Total C&F Price (Currency) (8)						
					PRESSURE KG/CM2(G)	TEMP (DEG C)							OD	X THKN					@ % OF TOTAL EX WORKS (3A) (MENTION RATE HERE)	AMOUNT IN (INR) (3B) =(2X3A)						GST RATE IN % ON TOTAL EX WORKS + FREIGHT (5A) (MENTION RATE HERE)	TOTAL AMOUNT IN (INR) (5B)=(4X5A)				
1	ACW-5, ACW-6, ACW-7 & ACW-8	BFV	300	MO	10	60	ACW	Class 150 of AWWA C504-10	DUPLEX SS	DUPLEX SS	ASME B16.5, Raised Flange	Electric Operated Actuator with Integral starter, OT=50-60	323.9	6.4	4	8481															
2	DMCW-38	BFV	250	MO	10	60	DMCW	Class 150 of AWWA C504-10	SS 316L	SS 316L	ASME B16.5, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	273	6.4	1	8481															
3	DMCW-53	BFV	250	MO	10	60	DMCW	Class 150 of AWWA C504-10	SS 316L	SS 316L	ASME B16.5, Raised Flange	Inching type Electric Operated Actuator with Integral starter, OT=40-60	273	6.4	1	8481															
4	DMCW-101 & DMCW-102	BFV	350	MO	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	355.6	8	2	8481															
5	DMCW-105, DMCW-106, DMCW-107, DMCW-108, DMCW-109, DMCW-110	BFV	300	MO	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	323.9	6.4	6	8481															
6	DMCW-117 & DMCW-118	BFV	300	MAN	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	GEAR OPERATED	323.9	6.4	2	8481															
7	COMMISSIONING SPARES (AS PER ANNEXURE I)																														
8	TOTAL																														

NOTES:-

- Valve POD test charges/ Gear box POD test charges or any other test charges, required as per technical specification, shall not be included in the unit quoted prices of main valves as these tests are the mandatory requirements of valve governing standard AWWA C504 and this enquiry specification. If the bidder has not carried these test earlier, then the bidder is required to do these tests without any charges to BHEL, in case of order on the bidder i.e. NO EXTRA CHARGES ON THIS ACCOUNT IS ADMISSIBLE TO BIDDERS.
 - Main valve prices shall BE EXCLUSIVE of cost of Commissioning Spares prices.
 - Bidder is required to quote unit price of each item under commissioning spares separately & individually i.e. prices of all commissioning spares shall not be clubbed/ included in the unit price of Main valves.
 - Commissioning spares --> One set each of Bottom/ Cover Gasket with 'O' Rings & Seals, Gland Packing with 'O' rings & seals in Gland packing area and actuator 'o' rings and seal as applicable.
- ABBREVIATIONS:- BFV (WS)--- BUTTERFLY VALVES (WATER SYSTEM), MAN - MANUAL, MO - MOTOR OPERATED

Signature of the bidder with name, designation, date and company's seal

Neturpal
28/11/17



ANNEXURE I TO BOQ CUM PRICE FORMAT FOR BUTTERFLY VALVES (WATER SYSTEM)
1X800MW NORTH CHENNAI STAGE III PROJECT, ENQUIRY NUMBER :- PEIPGITANIE-5779/2017 Dtd 28.11.2017

COMMISSIONING SPARES													FOR INDIAN BIDDER										FOR FOREIGN BIDDER																
SL NO.	TAG NOS.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	RATING, DESIGN & TESTING CODE	BODY & DISC MATERIAL **	TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE OD X THKN	++COMMISSIONING SPARES	GLAND PACKING (SETS) (B)	DISC SEALS (**) (C)	O-RINGS AND SEALS FOR ELECTRIC ACTUATORS (D)	HSN Code	UNIT EX-WORKS PRICE OF COMMISSIONING SPARES (DULY PACKED) (INR)	GLAND PACKING (SETS) (F)	DISC SEALS (**) (G)	O-RINGS AND SEALS FOR ELECTRIC ACTUATORS (H)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR) (1)= (A*E+B*F+C*G+D*H)	FREIGHT CHARGES (3)		TOTAL PRICES (ex works + freight) (INR) (4)	APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (5)	TOTAL PRICE F.O.R. Prices with taxes (INR) (6)	UNIT C&F Price (Currency)				Total C&F Price (Currency) (8)= (A*+B*+C*+D*+E*+F*+G*+H*+I*+J*+K*+L)						
					TEMP (DEG C)	PRESSURE (KG/CM2(G))																		% OF TOTAL EX WORKS (3A) (MENTION RATE HERE)	AMOUNT IN (INR) (3B) +(2X3A)				GST RATE IN % ON TOTAL EX WORKS + FREIGHT (5A) (MENTION RATE HERE)	TOTAL AMOUNT IN (INR) (5B) +(4X5A)	BONNET/ COVER GASKET (NOS) (I)	GLAND PACKING (SETS) (J)		DISC SEALS (**) (K)	O-RINGS AND SEALS FOR ELECTRIC ACTUATORS (L)				
1	ACW-5, ACW-6, ACW-7 & ACW-8	BFV	300	MO	10	60	ACW	Class 150 of AWWA C504-10	DUPLEX SS	DUPLEX SS	ASME B16.5, Raised Flange	Electric Operated Actuator with Integral starter, OT=50-60	323.9	6	4	4	4	4	8481																				
2	DMCW-38	BFV	250	MO	10	60	DMCW	Class 150 of AWWA C504-10	SS 316L	SS 316L	ASME B16.5, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	273	6	1	1	1	1	8481																				
3	DMCW-53	BFV	250	MO	10	60	DMCW	Class 150 of AWWA C504-10	SS 316L	SS 316L	ASME B16.5, Raised Flange	Inching type Electric Operated Actuator with Integral starter, OT=40-60	273	6	1	1	1	1	8481																				
4	DMCW-101 & DMCW-102	BFV	350	MO	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	355.6	8	2	2	2	2	8481																				
5	DMCW-105, DMCW-106, DMCW-107, DMCW-108, DMCW-109, DMCW-110	BFV	300	MO	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	Electric Operated Actuator with Integral starter, OT=40-60	323.9	6	6	6	6	6	8481																				
6	DMCW-117 & DMCW-118	BFV	300	MAN	12	60	DMCW	PN 16 OF BSEN 593 (BS 5155)	SS 316L	SS 316L	PN16.0 of 1092.1, Raised Flange	GEAR OPERATED	323.9	6	2	2	2	0	8481																				
TOTAL													16	16	16	14																							

NOTES:-
1. Valve POD test charges/ Gear box POD test charges or any other test charges, required as per technical specification, shall not be included in the unit quoted prices of main valves as these tests are the mandatory requirements of valve governing standard AWWA C504 and this enquiry specification. If the bidder has not carried these test earlier, then the bidder is required to do these tests without any charges to BHEL, in case of order on the bidder i.e. NO EXTRA CHARGES ON THIS ACCOUNT IS ADMISSIBLE TO BIDDERS.
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Noted
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Signature of the bidder with name, designation, date and company's seal