

<u>S/ No.</u>	<u>Description</u>	Qty (Nos)
1.	<b>Manual Butterfly Valves</b> Size: ND 350 mm (Specifications: As per attached check list at annexure-A)	10
2.	<b>Manual Butterfly Valves</b> Size: ND 500 mm (Specifications: As per attached check list at annexure-A)	05
3.	<b>Manual Butterfly Valves</b> Size: ND 150 mm (Specifications: As per attached check list at annexure-A)	01
4.	<b>Motorized Butterfly Valves</b> Size: ND 350 mm(Regulating Type) (Specifications: As per attached check list at annexure-B)	05
5.	<b>Motorized Butterfly Valves</b> Size: ND 500 mm (ON/OFF Type) (Specifications: As per attached check list at annexure-B)	02
6.	<b>Non Return Valves (NRV)</b> Size: ND 500 mm (Specifications: As per attached check list at annexure-C)	02
7.	<b>Non Return Valves (NRV)</b> Size: ND 350 mm (Specifications: As per attached check list at annexure-C)	01

# Annexure-A'

## Check List (Item No.1,2 & 3)

Following Characteristics of offered Manual Butterfly Valves may be verified by encircling either "yes" or "No"

Sr. No.	<u>Technical Specifications</u>			Encircle		Offered Specs (Where "No" is encircled)
1	Operating Data	Nominal Line Pressure	PN10	Yes	No	
		Temperature	120°	Yes	No	
2	Test	Body Test	15 bars	Yes	No	
		Seat Test	7 bar air under water	Yes	No	
3	Type	Air Tight Disc		Yes	No	
4	Permissible Fluids	Hot Air		Yes	No	
5	Body	Wafer, Stainless Steel grade 304		Yes	No	
6	Connection	Flanged-Schedule 10s		Yes	No	
7	Obturator	Disc,Stainless Steel grade 304		Yes	No	
8	Seat	EPDM		Yes	No	
9	Control	Manual Operating Actuator		Yes	No	
10	Bolts and Nuts	SS 304		Yes	No	

### Note:

MTC showing compliance with above technical specifictions (Sr. No. 1-10) should be provided with supply.

# Annexure-B'

## Check List (Item No. 4 & 5)

**Following Characteristics of offered Motorized Butterfly Valves may be verified by encircling either "yes" or "No"**

Sr. No.	<u>Technical Specifications</u>			Encircle		Offered Specs (Where "No" is encircled)
1	Operating Data	Nominal Line Pressure	PN10	Yes	No	
		Temperature	120°	Yes	No	
2	Test	Body Test	15 bars	Yes	No	
		Seat Test	7 bar air under water	Yes	No	
3	Type	Air Tight Disc		Yes	No	
4	Permissible Fluids	Hot Air		Yes	No	
5	Body	Wafer, Stainless Steel grade 304		Yes	No	
6	Connection	Flanged-Schedule 10s		Yes	No	
7	Obturator	Disc, Stainless Steel grade 304		Yes	No	
8	Seat	EPDM		Yes	No	
9	Control	Electric Actuator		Yes	No	
10	Bolts and Nuts	SS 304		Yes	No	

### **Note:**

**MTC showing compliance with above technical specifications (Sr. No. 1-10) should be provided with supply.**

# Annexure-C'

## Check List (Item No. 6 & 7)

Following Characteristics of offered Non Return Valves may be verified by encircling either "yes" or "No"

Sr. No.	<u>Technical Specifications</u>			Encircle		Offered Specs (Where "No" is encircled)
1	Operating Data	Nominal Line Pressure	PN10	Yes	No	
		Temperature	120°	Yes	No	
2	Test	Body Test	15 bars	Yes	No	
		Seat Test	7 bar air under water	Yes	No	
3	Type	Single Leaf swing Flanged type		Yes	No	
4	Permissible Fluids	Hot Air		Yes	No	
5	Body	Stainless Steel grade 304		Yes	No	
6	Connection	Flanged-Schedule 10s		Yes	No	
7	Leaf/ flapper	Hinge type, SS 304 with 3mm thickness		Yes	No	
8	Bolts and Nuts	SS 304		Yes	No	

### Note:

MTC showing compliance with above technical specifications (Sr. No. 1-8) should be provided with supply.