1. The Ball Valves of following specifications and sizes are required.

I).BILLS OF MATERIALS

Description	Specifications	
Туре	3- Piece	
MOC	SS 304 L	
Details	As per specification sheet TS # 01	

I).BILL OF QUANTITIES

50
50
50
50

2. The Globe Valves of following specifications and sizes are required.

I).BILLS OF MATERIALS

Description Specifications		
MOC	SS 304 L	
Details	As per specification sheet TS # 02	

I).BILL OF QUANTITIES

Sr. No.	Size (mm)	Quantities
	DN 15	20
ii.	DN 20	20
iii.	DN 25	20
iv.	DN 40	20

3. The Butterfly Valves of following specifications and sizes are required.

I).BILLS OF MATERIALS & QUANTITIES

Description	Specifications	Quantities
MOC	SS 316 L	20
SIZE	DN 150	
Details	As per specification sheet TS # 03	

4. The Plug (Cylindrical) Valves of following specifications and sizes are required.

I).BILLS OF MATERIALS & QUANTITIES

Description	Specifications	Quantities
MOC	SS 316 L	
SIZE	DN 20	20
Details	As per specification sheet TS # 04	

SPECIFICATION SHEET

03/06

3-PIECE BALL VALVES

	Rating	1000 lbs
Service	Temperature	180 °C
Condition	Gauge pressure	10 bars
	Service Fluids	Demineralized Water
	Body test	15 bars
Test	Seat test	7 bars air under water

(4)

	Cylindrical – Full Port valve, Quick Disconnected, Stainless Steel
BODY	304L
CONNECTION	Flanges, Stainless Steel 304L, Butt-welding (BW) ends, Sch: 80s
BALL	Ball - Stainless Steel 304L.
SEAT	Spherical PTFE facing
STEM	Spindle – Stainless Steel 304L.
CONTROL	Stainless Steel Hand Lever.
PACKING	PTFE
BOLTS and NUTS	Tie-rods and Nuts – Stainless Steel
	Note: no part of copper metal
ROOM CONDITION	Corrosive atmosphere

Sr. No.	Size	Qty (Nos.)	Remarks	
1.	DN 15	50 Nos.		
2.	DN 20	50 Nos.		
3.	DN 25	50 Nos.		
4.	DN 40	50 Nos.		



SPECIFICATION SHEET

GLOBE VALVES

	Rating	2500 lbs
LIMITS OF USE	Temperature	200 °C
	Gauge pressure	300 bars
TEST	Body test	450 bars
	Seat test	7 bars air under water

SERVICE	1. Saturated Steam		
FLUIDS	2. Condensate		
BODY	Straight – Stainless Steel, SS 304 L		
BONNET	Welded on the body – Stainless Steel SS 304 L		
CONNECTION	Flanged – Schedule : double extra-strong		
OBUTRATOR	Disc for flow rate adjustment – Stainless Steel.		
SEAT	ntegral – machined in the body.		
STEM	Rising with outside threads – Stainless Steel.		
STUFFING -BOX	PTFE		
PACKING			
CONTROL	Hand wheel of plasticized metal.		
	Note: no part of copper metal		
MAKE	BONETTI/ Equivalent		

Sr. No.	Size	Qty (Nos.)	Remarks	
1.	DN 15	20		
2.	DN 20	20		
3.	DN 25	20		
4.	DN 40	20		

05/06

SPECIFICATION SHEET

BUTTERFLY VALVES

	Rating	150 lbs
LIMITS OF USE	Temperature	180 °C
	Gauge pressure	10 bars
TEST	Body test	15 bars
	Seat test	7 bars air under water

SERVICE FLUIDS	Demineralized Water (DMW)	
TYPE	DISCOVANNE – TIGHT	
BODY	Cylindrical - Stainless Steel 316L	
CIE A TE	Tightness between body and disc by spherical facings of metal and	
SEAT	PTFE containing powdered Stainless Steel.	
	Mounting between Welding- Neck Raised Face (WNRF) 150lbs,	
CONNECTION	flanges- "stock finish" machining-machined bolt facings- drilling as per	
Commission Commission (Commission (Commi	ASME B 16.5	
DISC	Stainless Steel 316L Disc	
GUIDE STEM	Stainless Steel 316L	
CONTROL	Hand wheel on reduction gear in tight casing with disc positioner.	
	Note: no part of copper metal	
ROOM CONDITION	Corrosive atmosphere	

Sr. No.	Size	Qty (Nos.)	Remarks	
1.	DN 150	20		

SPECIFICATION SHEET



PLUG (CYLINDERICAL) VALVES

	Rating	150 lbs
LIMITS OF USE	Temperature	180 °C
	Gauge pressure	10 bars
TEST	Body test	15 bars
	Seat test	7 bars air under water

SERVICE FLUIDS	Pool Water	
TYPE	DISCOVANNE – TIGHT	
BODY	Cylindrical - SS 316 L	
SEAT	The tightness between body and disc will be made by a flexible and interchangeable ring of ethylene propylene	
CONNECTION	Mounting between Welding- Neck Raised Face (WNRF) 150lbs, flanges- "stock finish" machining-machined bolt facings- drilling as per ASME B 16.5	
DISC	SS 316 L	
GUIDE STEM	SS 316 L	
CONTROL	Hand wheel on reduction gear in tight casing with disc positioner.	
	Note: Possibility of a possible dismounting of the upstream or downstream piping draining without draining the piping.	
ROOM CONDITION	Normal atmosphere	

Sr. No.	Size	Qty (Nos.)	Remarks
1.	DN 20	20	