

ITEM#01 SS GLOBE VALVES (ANSI CLASS 300)

The **SS GLOBE VALVES** of following specifications and sizes are urgently required,

1. BILL OF MATERIALS(BOM):

Description	Specifications
Type	Regulating Globe Valve, Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem & Hand Wheel
Class	ANSI 300
Material	
Body	Stainless Steel, ASTM A351 CF3
Bonnet	Stainless Steel, ASTM A351 CF3
Disc	Stainless Steel, ASTM A351 CF3
Stem	Stainless Steel, ASTM A351 CF3
Stem Packing	PTFE to be repacked in open position
Control	Hand Wheel with Position Indicator, Ductile Iron ASTM A536
Seat	Stainless Steel, ASTM A351 CF3
Standard Compliance	Design & Manufacture: ANSI B16.34, BS 1873 Face to Face (End to End): ANSI B16.10 Flanged Connection: ANSI B16.5 Test & Inspection: API 598

2. BILL OF QUANTITIES(BOQ):

Sr. No	Size	Quantity Required (No's)
1	NPS 1-1/2"	10
2	NPS 2"	10
3	NPS 3"	5
4	NPS 4"	2
5	NPS 5"	4

3. PACKING & MARKING:

Each Valve shall be marked with,

1. Type of Stainless Steel, Identification No. and Heat No.
2. Name / mark of manufacturer.
3. Packed in Wooden Packing and appropriately Wrapped in Plastic Sheet.

ITEM#02 SS GLOBE VALVES (ANSI CLASS 150)

The **SS GLOBE VALVES** of following specifications and sizes are urgently required,

1. BILL OF MATERIALS(BOM):

Description	Specifications
Type	Regulating Globe Valve, Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem & Hand Wheel
Class	ANSI 150
Material	
Body	Stainless Steel, ASTM A351 CF3
Bonnet	Stainless Steel, ASTM A351 CF3
Disc	Stainless Steel, ASTM A351 CF3
Stem	Stainless Steel, ASTM A351 CF3
Stem Packing	PTFE to be repacked in open position
Control	Hand Wheel with Position Indicator, Ductile Iron ASTM A536
Seat	Stainless Steel, ASTM A351 CF3
Standard Compliance	Design & Manufacture: ANSI B16.34, BS 1873 Face to Face (End to End): ANSI B16.10 Flanged Connection: ANSI B16.5 Test & Inspection: API 598

2. BILL OF QUANTITIES(BOQ):

Sr. No	Size	Quantity Required (No's)
1	NPS 1/2"	10
2	NPS 3/4"	5
3	NPS 1"	5
4	NPS 1-1/2"	10
5	NPS 2"	10
6	NPS 3"	5
7	NPS 4"	2
8	NPS 5"	4

3. PACKING & MARKING:

Each Valve shall be marked with,

1. Type of Stainless Steel, Identification No. and Heat No.
2. Name / mark of manufacturer.
3. Packed in Wooden Packing and appropriately Wrapped in Plastic Sheet.

ITEM#03 CAST STEEL GLOBE VALVES (ANSI CLASS 300)**1. BILLS OF MATERIALS(BOM):**

Description	Specifications
Type	Regulating Globe Valve, Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem & Hand Wheel
Class	ANSI 300
Material	
Body	Cast Steel, ASTM A216WCB
Bonnet	Cast Steel, ASTM A216WCB
Disc	Stainless Steel, ASTM A276-410/420
Stem	Stainless Steel, ASTM A276-410/420
Stem Packing	PTFE to be repacked in open position
Control	Hand Wheel with Position Indicator, Ductile Iron ASTM A536
Seat	Ductile Iron, ASTM A536
Standard Compliance	Design & Manufacture: ANSI B16.34, BS 1873 Face to Face (End to End): ANSI B16.10 Flanged Connection: ANSI B16.5 Test & Inspection: API 598

2. BILL OF QUANTITIES(BOQ):

Sr. No	Size	Quantity Required (No's)
1	NPS 1/2"	25
2	NPS 3/4"	25
3	NPS 1-1/2"	22
4	NPS 2"	13
5	NPS 3"	11
6	NPS 4"	10
7	NPS 5"	7

3. PACKING & MARKING:

Each Valve shall be marked with,

1. Type of Steel, Identification No. and Heat No.
2. Name / mark of manufacturer.
3. Packed in Wooden Packing and appropriately Wrapped in Plastic Sheet.

ITEM#04 CAST STEEL GLOBE VALVES (ANSI CLASS 150)**1. BILLS OF MATERIALS (BOM):**

Description	Specifications
Type	Regulating Globe Valve, Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem & Hand Wheel
Class	ANSI 150
Material	
Body	Cast Steel, ASTM A757M E3N
Bonnet	Cast Steel, ASTM A757M E3N
Disc	Stainless Steel, ASTM A276-410/420
Stem	Stainless Steel, ASTM A276-410/420
Stem Packing	PTFE to be repacked in open position
Control	Hand Wheel with Position Indicator, Ductile Iron ASTM A536
Seat	Ductile Iron, ASTM A536
Standard Compliance	Design & Manufacture: ANSI B16.34, BS 1873 Face to Face (End to End): ANSI B16.10 Flanged Connection: ANSI B16.5 Test & Inspection: API 598

2. BILL OF QUANTITIES(BOQ):

Sr. No	Size	Quantity Required (No's)
1	NPS 3"	13
2	NPS 4"	10
3	NPS 8"	5
4	NPS 10"	3

3. PACKING & MARKING:

Each Valve shall be marked with,

1. Type of Steel, Identification No. and Heat No.
2. Name / mark of manufacturer.
3. Packed in Wooden Packing and appropriately Wrapped in Plastic Sheet.

ITEM#05 STAINLESS STEEL NEEDLE VALVES**1. BILLS OF MATERIALS (BOM):**

Description	Specifications
Type	Needle Valve, Screwed Bonnet
Pressure Rating	6000psig CWP
Material	
Body	ASTM A182 Type F316L
Stem	ASTM A276, Type 316L with PCTFE
Packing Nut	ASTM A 479 Type 316L
End Connections	NPT Female Threaded
Packing	PTFE
Handle	Nylon with SS Insert

2. BILL OF QUANTITIES (BOQ):

Sr. No	Size	Quantity Required (No's)
1	NPS 1/2"	12
2	NPS 1/4"	12

3. PACKING & MARKING:

Each Valve shall be marked with,

1. Type of Steel, Identification No. and Heat No.
2. Name / mark of manufacturer.
3. Packed in Wooden Packing and appropriately Wrapped in Plastic Sheet.