

**SALES ORDER REQUISITION &
SUPPLY OF REBOILERS**

ChemDist Process Solutions Pvt Ltd

QRN No.	QRN:8088 R2
Type.	
Job No.	SO – 678
Date	08/09/2022
Rev	R0

Address:
Plot No J-174/1, J-Block,
PCNTDA, Bhosari, Pune-411026,
Maharashtra
Mobile: +91-9545500345
Email: info@chemdist.in

1.0 SCOPE OF SUPPLY :

Our scope of supply includes Manufacturing & Supply of below listed items:

Sr No	Tag No	MFR Sr No	Qty
1	TK-1102	CDPS-678-V1992-2022	1
2	TK-106	CDPS-678-V1993-2022	1
3	TK-202	CDPS-678-V1994-2022	1
4	TK-603	CDPS-678-V1995-2022	1
5	TK-1002	CDPS-678-V1996-2022	1
6	TK-1003	CDPS-678-V1997-2022	1
7	TK-1005	CDPS-678-V1998-2022	1

1. Description	Storage Tank TK 1102
Process Details	
Design Pressure (kg/cm ² g)	FV to 1
Design Temperature (Deg C)	65
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	1500 mm
Shell Height (Bottom TL to Top Flange end)	~2250 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	8 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 250NB) SA 312 TP 304L & (> 250NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Support	Lug and Leg (4 Nos.)
Lifting Lug	MS
Qty.	1 No.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Vent	1	50	40S	SORF	150#
N2	Inlet - 1 with J Pipe	1	100/50	40S	SORF	150#
N3	N2 Blanketing	1	25	80S	SORF	150#
N4	Recirculation with J Pipe	1	100/50	40S	SORF	150#
N5	Spare with BF	1	50	40S	SORF	150#
N6	Spare with BF	1	50	40S	SORF	150#
N7	DPT	1	50	40S	SORF	150#
N8	DPT	1	50	40S	SORF	150#
N9	Level gauge	1	25	80s	SORF	150#
N10	Level gauge	1	25	80s	SORF	150#
N11	Bottom Nozzle	1	50	40S	SORF	150#
N12	Spare with J Pipe	1	100/50	40S	SORF	150#
N13	Level Switch	1	50	40S	SORF	150#
M1	Manhole with Devit & BF	1	500	8 mm Thk	SORF	150#

2. Description	Storage Tank STK 106
Process Details	
Design Pressure (kg/cm ² g)	1
Design Temperature (Deg C)	65
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	1000 mm
Shell Height (Bottom TL to Top Flange end)	~1500 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	8 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 80NB) SA 312 TP 304L & (> 80NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Anchor Chair	SS 304L
Support	Lug with Leg Support (100X 100 X 12mm)
Lifting Lug	MS
Qty.	1 No.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Vent	1	50	40S	SORF	150#
N2	Inlet with J Pipe	1	100/50	40S	SORF	150#
N3	Spare with BF	1	50	40S	SORF	150#
N4	PG	1	25	80S	SORF	150#
N5	Overflow	1	80	40S	SORF	150#
N6	LG (Level Gauge)	1	25	80S	SORF	150#
N7	LG (Level Gauge)	1	25	80S	SORF	150#
N8	Outlet	1	50	40S	SORF	150#
N9	Spare-2 with J pipe	1	100/50	40S	SORF	150#
N10	DPT	1	50	40S	SORF	150#
HH1	Handhole	1	250	40S	SORF	150#

3. Description	Storage Tank TK 202
Process Details	
Design Pressure (kg/cm ² g)	1
Design Temperature (Deg C)	-10 to 65
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	1200 mm
Shell Height (Bottom TL to Top Flange end)	~1800 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	8 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 250NB) SA 312 TP 304L & (> 250NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Anchor Chair	SS 304L
Support	Lug with Leg Support (100X 100 X 12mmX 1200mm)
Lifting Lug	MS
Qty.	1 No.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Vent	1	50	40s	SORF	150#
N2	Inlet with J Pipe (100 X 50)	1	100	40s	SORF	150#
N3	N2 Blanking	1	50	40s	SORF	150#
N4	Spare with BF	1	50	40s	SORF	150#
N5	LG (Level Gauge)	1	25	80	SORF	150#
N6	LG (Level Gauge)	1	80	40s	SORF	150#
N7	Outlet	1	25	80	SORF	150#
N8	Overflow with B.F	1	25	80	SORF	150#
N9	Spare with J Pipe & BF (100 X 50)	1	50	40s	SORF	150#
N10	DPT	1	100	40s	SORF	150#
HH1	Handhole	1	50	40s	SORF	150#

4. Description	Storage Tank TK 603
Process Details	
Design Pressure (kg/cm ² g)	1
Design Temperature (Deg C)	30
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	1200 mm
Shell Height (Bottom TL to Top Flange end)	~1800 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	6 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 250NB) SA 312 TP 304L & (> 250NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Anchor Chair	SS 304L
Lifting Lug	MS
Support	Lug and Leg Support (4 Nos.)
Qty.	1 No.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Vent	1	50	40s	SORF	150#
N2	Inlet with J Pipe	1	80/50	40s	SORF	150#
N3	Inlet with J Pipe	1	80/50	40s	SORF	150#
N4	Recirculation	1	40	80s	SORF	150#
N5	Spare-1 with BF	1	50	40s	SORF	150#
N6	Spare-1 with J Pipe	1	80/50	40s	SORF	150#
N7	Level Gauge	1	25	80s	SORF	150#
N8	Level Gauge	1	25	80s	SORF	150#
N9	Outlet	1	50	40s	SORF	150#
N10	DPT	1	50	40s	SORF	150#
N11	Overflow		80	40s	SORF	150#
MH 1	Manhole With BF	1	450	6 mm Thk	SORF	150#

5. Description	Storage Tank TK 1002
Process Details	
Design Pressure (kg/cm ² g)	FV to 1
Design Temperature (Deg C)	-10 to 65
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	550 mm
Shell Height (Bottom TL to Top Flange end)	~850 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	6 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 250NB) SA 312 TP 304L & (> 250NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Support	Lug and Leg (3 Nos.)
Lifting Lug	MS
Qty.	1 No.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Vent	1	50	40S	SORF	150#
N2	Inlet	1	80 X 50	40S	SORF	150#
N3	Spare-1	1	50	40S	SORF	150#
N4	Overflow	1	50	40S	SORF	150#
N5	Level gauge	1	25	80s	SORF	150#
N6	Level gauge	1	25	80s	SORF	150#
N7	Outlet	1	50	40S	SORF	150#
N8	DPT	1	50	40S	SORF	150#
N10	Handhole	1	200	40S	SORF	150#

6. Description	Storage Tank TK 1003 & 1005
Process Details	
Design Pressure (kg/cm ² g)	FV to 1
Design Temperature (Deg C)	65
Shell/End Radiography	Spot + All T Joints/Full
Vessel Details	
Shell Diameter (ID)	1000 mm
Shell Height (Bottom TL to Top Flange end)	~1500 mm
Top/Bottom	Flat End/10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	10 mm Thk /8 mm Thk
Shell MOC	SS 304L
Dish ends MOC	SS 304L
Nozzles pipe MOC	(< 250NB) SA 312 TP 304L & (> 250NB) SA 240 Type 304L
Nozzle Flange MOC	Upto 80 NB in SS 304L above 80 NB MS+ SS304 Lining For manhole(MS + 3mm SS 304L Lining)
Stiffeners	MS
Support	Lug and Leg (4 Nos.)
Lifting Lug	MS
Qty.	2 Nos.

Note	
1	Hydro test shall be carried out by service gasket only.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
A1	Inlet with J Pipe	1	80	40S	SORF	150#
N1	Inlet with J Pipe	1	80	40S	SORF	150#
N2	Inlet with J Pipe	1	80	40S	SORF	150#
N3	LG (Level Gauge)	1	25	80s	SORF	150#
N4	LG (Level Gauge)	1	25	80s	SORF	150#
N5	Spare -1	1	50	40S	SORF	150#
N6	Vent	1	50	40S	SORF	150#
N7	Bottom Outlet	1	50	40S	SORF	150#
N8	Spare -2 with J Pipe	1	80	40S	SORF	150#
N9	DPT	1	50	40S	SORF	150#
N10	Handhole	1	250	40S	SORF	150#
HH1	Inlet with J Pipe	1	80	40S	SORF	150#

Notes:

1. Design to check and verify the thicknesses.
2. No need to submit design calculations to client.
3. Need to submit GAD only.

Delivery Date (Ex-works)	09th November 2022 (Ex-works)
Internal Inspection Report	Required
TPI	YES (By client)
Remark/Instruction	Test Certificates Required as per CDPS STD QAP

Issued By	Signature	Received By	Signature		Signature
Marketing		Design/Dwg		Prepared By	PMD
		Manufacturing		Checked By	PMD
		Purchase		Approved By	TW