


**SALES ORDER REQUISITION & SUPPLY
COLUMN****ChemDist Process Solutions Pvt Ltd**

QRN No.	QRN:8118 R0
PO No	4900017647
Job No.	SO-672
Date	17/08/2022
Rev	R0

INDIA Address:

Plot No J-174/1, J Block, PCNTDA,
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1.0 SCOPE OF SUPPLY :

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

Tag No	MOC	QTY
HE-01	SS 316	2 Nos
ST-03	SS 316	2 Nos

1. Primary Condenser (HE-01)			
Type		Shell & Tube (BEM)	
Position		Horizontal	
Surface Area		32.7 m ²	
No. of Passes on tube side		4 nos.	
Quantity		2 Nos.	
Design Standard		ASME SEC. VIII DIV. 1 (Latest Edition), TEMA Class B	
Design Pressure / Test Pressure (Kg/cm ² g)		Shell Side : FV to 6 / 7.8	Tube Side : 6 / 7.8
Design Temperature (Deg C)		Shell Side : -30 to 180	Tube Side : -30 to 180
Shell Details -			
Shell ID	570 mm	Length	2000 mm
Thickness	5 mm	Quantity	1 No.
MOC	SA 240 Gr 316		
Bonnet Details -			
ID	570 mm	Thickness	5 mm
MOC	SA 240 Gr 316	Quantity	2 Nos.
Dish End Details -			
Type	10% Torrispherical	Thickness	6 mm
MOC	SA 240 Gr 316	Quantity	2 Nos.

Tube Details -			
Type	Straight (Plain)	MOC	SA 213 TP 316 seamless
Size	19.05 mm OD	Thickness	2.1 mm (14 BWG)
Length	2000 mm	Quantity	282 Nos
Tie Rods -			
MOC	SS 316	Quantity	6 Nos.
Baffles Details -			
Thickness	5 mm	Quantity	6 Nos
MOC	SA 240 Gr 316		
Body flange Details -			
MOC	SA 105 + SS 316 Lining	Quantity	2 Nos.
Tube Sheet Details			
MOC	SA 240 Gr 316	Quantity	2 Nos.
Gaskets for Body Flange – Non Asbestos Teflon Envelope			
Supports -			
Type	Saddle Support	Quantity	2 Nos
MOC	MS with SS 316 Pad Plate		
Lifting Lugs -			
Quantity	2 Nos.	MOC	MS with SS Pad

Nozzle Details –

SR No.	Service	Nozzle Size	Thickness	Quantity	Flange
N1	Shell Vapour Inlet	350	5 mm thk	1	150#; SORF
N2	Shell Condensate Outlet	50	Sch 40S	1	150#; SORF
N3	Shell Vent	100	Sch 40S	1	150#; SORF
N4	Tube Inlet	100	Sch 40S	1	150#; SORF
N5	Tube Outlet	100	Sch 40S	1	150#; SORF
N6	Tube Drain	25	Sch 40S	1	150#; SORF
N7	Tube Vent	25	Sch 40S	1	150#; SORF

Tube Side	
Nozzle Pipe MOC	Pipe - Up to 150 NB SA 312 TP 316 SCH 40S (seamless) Pipe & Above Fabricated SS 316
Nozzle Flange MOC	Up to 50 NB all Flange Conform to SA 182 F316 ASA 150# SORF & Above SORF SA 105 + SS 316 Liner
Shell Side	
Nozzle Pipe MOC	Pipe - Up to 150 NB SA 312 TP 316 SCH 40S (seamless) Pipe & Above Fabricated SS 316
Nozzle Flange MOC	Up to 50 NB all Flange Conform to SA 182 F316 ASA 150# SORF & Above SORF SA 105 + SS 316 Liner

2. Description	Storage Tank (ST-03)
Process Details	
Capacity Gross (m ³)	0.5
Capacity Working (m ³)	0.45
Design Pressure (kg/cm ² g)	FV / 3
Design Temperature (Deg C)	-20 to 150
Shell/End Radiography	Full
Vessel Details	
Shell Diameter (ID)	750 mm
Shell Height (Bottom TL to Top TL)	1000 mm
Top/Bottom	10% Torispherical
Shell Thickness	6 mm
Top/Bottom end Thickness	Top – 6 mm, Bottom – 8 mm
Body Flanges	NA
Type of Support	Leg Supports 3 Nos
Shell MOC	SA 240 Gr 316
Dish ends MOC	SA 240 Gr 316
Body Flange MOC	NA
Nozzles pipe MOC	Pipe - Up to 150 NB SA 312 TP 316 SCH 40S (seamless) Pipe & Above Fabricated SS 316
Nozzle Flange MOC	Up to 50 NB all Flange Conform to SA 182 F316 ASA 150# SORF & Above SORF SA 105 + SS 316 Liner
Support External MOC	MS with SS Pad Plate
Qty	2 Nos.

Nozzle Details:

NOZZLE NO.	SERVICE	Qty	NOZZLE PIPE		End Connection	
			NB	SCH	Type	Class
N1	Inlet	1	50	Sch 40S	SORF	150#
N2	Circulation	1	25	Sch 40S	SORF	150#
N3	Handhole with Blind	1	100	Sch 40S	SORF	150#
N4	Spare with Blind Flange	1	50	Sch 40S	SORF	150#
N5	Spare / Vent	1	40	Sch 40S	SORF	150#
N6 A-B	Level Indicator	2	25	Sch 40S	SORF	150#
N7	Spare with Blind Flange	1	50	Sch 40S	SORF	150#
N8	Bottom Outlet	1	50	Sch 40S	SORF	150#

Equipment Manufacturing Sr. No.

1.	Heat Exchanger	HE-01 A	CDPS-672-E1955-2022
2.	Heat Exchanger	HE-01 B	CDPS-672-E1956-2022
3.	Reflux Pot	ST-03 A	CDPS-672-V1957-2022
4.	Reflux Pot	ST-03 B	CDPS-672-V1958-2022

Notes:

1. All thicknesses shall be confirmed by design team.



Delivery Date (FOR-Site)	08/11/2022
Internal Inspection Report	Required
TPI	YES
Remark/Instruction	Test Certificates Required as per QAP

Issued By	Signature	Received By	Signature
Marketing		Design/Dwg	
		Manufacturing	
		Purchase	

	Signature		
Prepared By	PMD		
Checked By	PMD		
Approved By	TW		