



PRORITES EQUIPMENTS PVT. LTD.

GAT NO. 83, JYOTIBA NAGAR, TALAWADE, PUNE-411062

TECHNICAL DATASHEET - HP DOSING SYSTEM			DATASHEET NO
CUSTOMER	ISGEC HEAVY ENGINEERING LTD		PEPL/DS/ E-116/2021-22 R1
PROJECT	MEGHA ENGINEERING AND INFRASTRUCTURE LIMITED (A/C. IOCL PARADIP)		
COMPONENT	HP DOSING SYSTEM		MAKE
DESCRIPTION	HP Dosing system mounted on a common base frame with tank, pumps, interconnecting piping, valves, instruments, mating flanges, hardware, gaskets and foundation bolts.		PRORITES
DOSING TANK (MIXING TANK)	1200 LTR TANK Ø 1200 X 1400 Ht DISHEND END BOTTOM, HINGED COVER. DISSOLVING BASKET SS304 #4 MESH SIZE. THICKNESS - SHELL 3 mm, TOP COVER 8mm Legs CS.		PRORITES
DOSING TANK (METERING)	1200 LTR TANK Ø 1200 X 1400 Ht DISHEND BOTTOM, HINGED COVER. DISSOLVING BASKET SS304 #4 MESH SIZE. THICKNESS - SHELL 3 mm, TOP COVER 8mm Legs CS.		PRORITES
DOSING PUMP	Positive displacement, Simplex reciprocating Plunger type. 0 - 60 LPH ,150 Kg/CM2 (g) , MOC wetted parts SS316. Qty = 2 Nos	AS PER IOCL APPROVED VENDOR LIST	
DOSING PUMP MOTOR	SQUIRREL CAGE INDUCTION MOTOR, 0.75 kw / 4 pole / Foot Mtg / 415 V / 50 Hz / 3 ph / IE-3/IP55 /GASLINE ZONE 2 , GAS GROUP II B , TEMP CLASS 3 TEFC= 2 Nos		
EXTERNAL PRV	MOC : SS304, 1/2" BSP, Set Pr. 190 Kg/CM2 (g) = 2 Nos		
GEAR BOX	REDUCTION GEAR BOX , TOP ENTRY , CENTRE MOUNTED , 100 RPM ,MOC : SS304 QTY = 1 NOS		
AGITATOR MOTOR	0.37 kw / 4 pole / Flange Mtg / 415 V / 50 Hz / 3 ph / IE3 / IP55/GASLINE ZONE 2 , GAS GROUP II B , TEMP CLASS 3/ TEFC = 1 Nos		
LEVEL GAUGE	REFLEX TYPE LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 1200, WETTED PARTS SS304. MOUNTING 2" #150 = 2 Nos		
LEVEL TRASMITTER	DP TYPE FLANGE MOUNTING , 3" #150, MOC : SS304 QTY : 1 NOS		
PRESSURE GAUGE	DIAPHRAGM TYPE 1" #150 WITH ISOLATION VALVE AND SNUBBER. SS 304 RANGE 0-400 KG/CM2 DIAL 150 = 2 Nos		
PULSATION DAMPENER	VOLUME BOTTLE TYPE. SS 304= 2 Nos		PRORITES
SUCTION VALVES	1) GLOBE VALVES 25 NB SW CL 800, SS 304 Qty = 25 NOS	AS PER IOCL APPROVED VENDOR LIST	
	2) GLOBE VALVES 50 NB FLG #150 , SS 304 Qty = 4 NOS		
	3) GLOBE VALVES 80 NB FLG # 150, SS 304 Qty = 1 NOS		
DISCHARGE VALVES	1) GATE VALVES 25 NB SW CL 1500 SS 304 Qty = 14 NOS		
	2) BALL VALVES 25 NB SW CL 1500 , 3P SS 304 Qty = 4 NOS		
NON RETURN VALVE	LIFT CHECK VALVES. 25NB CL 1500 , SS 304 = 4 Nos		
STRAINER	BASKET TYPE STRAINER. 25NB CL 150, SS 304 = 2 NOS.		
SUCTION SIDE PIPING	25 NB SCH 40. SA312 TP 304 SEAMLESS		
DISCHARGE SIDE PIPING	25 NB SCH 40. SA312 TP 304 SEAMLESS		
FITTINGS	25 NB CL 1500 SW FITTINGS. SA182 F 304		
FLANGES - SUCTION SIDE	25 NB WNRF B16.5 CL 150. SA182 F 304		
FLANGES - DISCHARGE SIDE	25 NB WNRTJ B16.5 CL 1500. SA182 F 304		
HARDWARE	SS 304		
GASKETS	FOR SUCTION SIDE CNAF#150 AND FOR DISCHARGE SIDE SPIRAL WOUND GASKET #1500		
FOUNDATION BOLTS	M12 X 200 L - CS		
BASE FRAME	C.S. FABRICATED BASE FRAME WITH PLATFORM, LADDER FOR PREPARATION TANK		PRORITES
HOPPER	PROVIDED FOR CHEMICAL INLET 25 NB #150		PRORITES
OBSERVATION HOLE	PROVIDED ON TOP OF TANK		PRORITES
CALIBRATION POT	VERTICAL CYLINDRICAL TYPE WITH BOROSILICATE GLASS 25 NB #150 QTY = 02 NOS		AS PER IOCL APPROVED VENDOR LIST
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS		PRORITES