




## PRORITES EQUIPMENTS PVT. LTD.

PRORITES		PRORITES EQUIPMENTS PVT. LTD.	
		GAT NO. 83, JYOTIBA NAGAR, TALAWADE, PUNE-411062	
TECHNICAL DATASHEET - DOSING SYSTEM		DATASHEET NO	
Customer	ISGEC HEAVY ENGINEERING LTD	PEPL/DS/ E-116/2021-22 R0	
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	MILTON ROY/SHAPOOOOLS/EQ	
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	ABB /SIEMENS/CG	
EXTERNAL PRV	MOC : SS304, 1/2" BSP, Set Pr. 190 Kg/CM2 (g) = 2 Nos	MILTON ROY/SHAPOOOOLS/EQ	
GEAR BOX	REDUCTION GEAR BOX , TOP ENTRY , CENTRE MOUNTED , 100 RPM ,MOC : SS304 QTY = 1 NOS	REMI /CEECONS/EQ	
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	ABB /SIEMENS/CG	
LEVEL GAUGE	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 1200, WETTED PARTS SS304. MOUNTING 2" #150 = 2 Nos	ABB/EMERSON/VEGA	
LEVEL TRASMITTER	DP TYPE FLANGE MOUNTING , 3" #150 , MOC : SS304 QTY : 1 NOS	ISGEC SCOPE	
PRESSURE GAUGE	DIAPHRAGM TYPE 1" #150 WITH ISOLATION VALVE AND SNUBBER. SS 304 RANGE 0-400 KG/CM2 DIAL 150 = 2 Nos	WIKA/BAUMER/PRECISION MASS	
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	L&T/MICON/GM ENGG/EQ	
	2) GLOBE VALVES 50 NB FLG #150 , SS 304 Qty = 4 NOS	L&T/MICON/GM ENGG/EQ	
	3) GLOBE VALVES 80 NB FLG # 150, SS 304 Qty = 1 NOS	L&T/MICON/GM ENGG/EQ	
DISCHARGE VALVES	1) GATE VALVES 25 NB SW CL 1500 SS 304 Qty = 14 NOS	L&T/MICON/GM ENGG/EQ	
	2) BALL VALVES 25 NB SW CL 1500 , 3P SS 304 Qty = 4 NOS	L&T/MICON/GM ENGG/EQ	
NON RETURN VALVE	LIFT CHECK VALVES. 25NB CL 1500 , SS 304 = 4 Nos	L&T/MICON/GM ENGG/EQ	
STRAINER	BASKET TYPE STRAINER. 25NB CL 150, SS 304 = 2 NOS.	VELAN/PENTAIR/PK VALVES/EQ	
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	
OBSERVATION HOLE	PROVIDED ON TOP OF TANK	
CALIBRATION POT	VERTICAL CYLINDRICAL TYPE WITH BOROSILICATE GLASS 25 NB #150 QTY = 02 NOS	PUNE TECHTROL/SIGMA /EQ
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS	
For PRORITES EQUIPMENTS PVT LTD.		
 Pratiksha Jagtap Engineering		