



PRORITES EQUIPMENTS PVT. LTD.

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

TECHNICAL DATASHEET - PHOSPHATE DOSING SYSTEM		DATASHEET NO
CUSTOMER	MEHRU INDUSTRIES LLP	PEPL/DS/21-22/155
PROJECT	SOMESHWAR SUGAR	
COMPONENT	PHOSPHATE DOSING SYSTEM	MAKE
DESCRIPTION	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	500 LTR FRP TANK Ø 850 X 1050 Ht FLAT END BOTTOM. (GROSS VOLUME 595 LTR, USABLE VOLUME 500 LTR) THICKNESS OF SHELL 5 MM, & TOP FLANGE 10 MM	PRORITES
DOSING PUMP	Metering pump . 0-10 LPH /2 KG/CM2 (g) , MOC wetted parts SS316. Qty = 2 Nos . Type : Plunger type, Manual stroke adjustment. Qty 2 Nos (1 W+ 1 S)	PRORITES
MOTORS FOR PUMP	0.37KW / 4 pole / 415 V / 50 Hz / 3 ph / IE-2 = 2 Nos	PRORITES
EXTERNAL PRV	MOC : PP, 1/2" BSP, Set Pr.= 2.8 Kg/CM2; QTY= 2 No	PRORITES
AGITATOR	IMPELLER TYPE DIRECTLY COUPLED SHAFT MOC SS 304 = 1 Nos	PRORITES
AGITATOR MOTOR	TEFC 0.37 kw / 6 pole / Flange Mtg / 415 V / 50 Hz / 3 ph / IP55 / IE-2 = 1 Nos	PRORITES
LEVEL GAUGE	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 900, WETTED PARTS PP/PVC. MOUNTING 1/2" #150 Qty 1 Nos	PRORITES
PR GAUGE	BOURDON TYPE WITH 1/2" ISOLATION VALVE, WETTED PARTS SS 304, RANGE 0-10 KG/CM2 DIAL 100 = 2 Nos	PRORITES
PULSATION DAMPENERS	VOLUME BOTTLE TYPE. PVC = 2 Nos	PRORITES
SUCTION STRAINER	Y TYPE STRAINER, 15 NB SW, PVC = 2 Nos	PRORITES
SUCTION SIDE VALVES	BALL VALVES 15 NB UPVC Qty = 9 NOS	PRORITES
DISCHARGE SIDE VALVES	BALL VALVES 15 NB UPVC Qty = 6 NOS	PRORITES
NON RETURN VALVE	BALL TYPE PVC NON RETURN VALVES. 15 NB , = 2 Nos	PRORITES
SUCTION SIDE PIPING	15 NB SCH 40. UPVC	PRORITES
DISCHARGE SIDE PIPING	15 NB SCH 40. UPVC	PRORITES
FITTINGS	15 NB UPVC	PRORITES
FLANGES - SUCTION SIDE	15 NB B16.5 CL 150. UPVC	
FLANGES - DISCHARGE SIDE	15 NB B16.5 CL 150. UPVC	
HARDWARE	CS PLATED	
GASKETS	CNAF GASKETS	
FOUNDATION BOLTS	M12 X 200 L - SS316	
BASE FRAME	COMMON BASE FRAME FABRICATED FROM ISMC 100 X 50	PRORITES
BREATHING BOX	NA	
HOPPER	NA	
OBSERVATION HOLE	NA	
CALIBRATION POT	NA	
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS	
PAINT	1 COAT EPOXY PRIMER & 1 COAT PU SMOKE GREY TOTAL DFT=90 MICRON	

