



PRORITES EQUIPMENTS PVT. LTD.

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

TECHNICAL DATASHEET - Dispersant Dosing skid			
PROJECT :	BALEH HYDROELECTRIC PROJECT.		DATE : 30.06.2022 REV : R0
CUSTOMER :	GE POWER IN DIA LTD		No: PEPL/DS/E-45/22-23/2
COMPONENT	DETAILS	DESCRIPTION	REMARK
DESCRIPTION / SCOPE	Dispersant DOSING SKID - With tanks, pumps, integral piping, gauges and instruments as below, mounted on a base frame		
DOSING TANK	TYPE	VERTICAL CYLINDRICAL FLAT BOTTOM & TOP COVER	PRORITES
	CAPACITY	200 LTR	
	MOC	HDPE	
	SIZE	OD 700 X 900 HEIGHT (mm)	
	QTY	02 NOS. Tag Nos : 20GDA00BB009 / 010	
DOSING PUMP	TYPE	POSITIVE DISPLACEMENT HYDRAULICALLY ACTUATED DOUBLE DIAPHRAGM TYPE WITH AUTOMATIC STROKE CONTROLLER	VK/ MILTON ROY / SWELLORE
	CAPACITY	0.5-5 LPH / 9 KG/CM2(g)	
	MOC	LIQUID END : PP/DIAPHRAGM : PTFE	
	QTY	12 NOS (6 W + 6 S) Tag Nos : 20GDA00AP025 / 026 / 027 / 028 / 029 / 031 / 032 / 033 / 034 / 035 & 20GDA00AP030 / 036)	
PUMP MOTOR	TYPE	SQUIRREL CAGE INDUCTION MOTOR	ABB/SIEMENS/BHARAT BIJLEE /MARATHON /CROMPTON /HINDUSTAN MOTOR /LAXMI HYDRAULICS PVT LTD
	RPM / RATING	0.37 kw / 1440 RPM/ SAFE AREA	
	SUPPLY	415 V / 50 Hz / 3 Ph /IP55/IE3	
	QTY	12 NOS	
PRESSURE RELIEF VALVE	TYPE	SPRING LOADED	VK/ MILTON ROY / SWELLORE
	SIZE	1/2" NB	
	SET PR.	12.6 KG/CM2(g)	
	MOC	PVC	
	QTY	12 NOS	
LEVEL GAUGE	TYPE	MAGNETIC TYPE	PUNE TECHTROL
	SIZE	1/2" NB CTC 800	
	MOC	PP/ FRP	
	QTY	02NOS	
LEVEL SWITCH	TYPE	TOP MOUNTED MAGNETIC GUIDED LEVEL SWITCH	PUNE TECHTROL
	MOC	WETTED PARTS SS 304 / 316	
	CONNECTION	FLANGE 2" CL 150 PVDF	
	QTY	02 NOS	
CALIBRATION POT	TYPE	VERTICAL CYLINDRICAL , WITH MANUAL BALL TYPE ISOLATION VALVE	PUNE TECHTROL/ SIGMA
	RANGE	250 ML 25 NB #150 FLANGED END PP / PVC	
	QTY	12 NOS	
SUCTION STRAINER	TYPE	Y TYPE STRAINER	ASTRAL /GEORGE FISHER / EQUIVALENT
	SIZE	15 NB SW	
	MOC	CPVC	
	QTY	12 NOS	
DM WATER INLET	TYPE	SELF REGULATING VALVE	ASTRAL/ EQUIVALENT
	SIZE	15 NB (SOC)	
	MOC	CPVC	
	QTY	2 NOS	
TANK INSIDE VALVES	TYPE	FLOAT VALVE	ASTRAL/ EQUIVALENT
	SIZE	15 NB (SOC)	
	MOC	CPVC	
	QTY	02 Nos	



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CUSTOMER : GE POWER IN DIA LTD		No: PEPL/DS/E-45/22-23/2	
COMPONENT	DETAILS	DESCRIPTION	REMARK
DRAIN & OVERFLOW VALVES	TYPE	BALL VALVE	ASTRAL/ EQUIVALENT
	SIZE	15 NB (SOC)	
	MOC	CPVC	
	QTY	04 Nos	
DISCHARGE SIDE VALVES	TYPE	BALL VALVE	ASTRAL/ EQUIVALENT
	SIZE	15 NB (SOC)	
	MOC	CPVC	
	QTY	36 NOS	
DISCHARGE SIDE NON RETURN VALVES	TYPE	BALL TYPE CHECK VALVE	ASTRAL/ EQUIVALENT
	SIZE	15 NB (SOC)	
	MOC	CPVC	
	QTY	12 Nos	
PRESSURE GAUGE	TYPE	BOURDON SENSING CHEMICAL SEALED DIAPHRAGM	GAUGES BOURDON/ PRECISION MASS
	WETTED PARTS	SS316	
	RANGE	0-21 KG/CM2(g)	
	CONNECTION	1/2" NPT Bottom	
	DIAL SIZE	150 MM	
	QTY	12 NOS	
PULSATION DAMPENER	TYPE	VOLUME BOTTOLE TYPE WITH MANUAL BALL TYPE ISOLATION VALVE	PRORITES
	SIZE/MOC	15 NB (SOC)	
	QTY	12 NOS	
VENT	TYPE	GOOSE NECK TYPE	
	SIZE	50 NB	
	MOC	CPVC	
	QTY	2 NOS	
LCP	TYPE	LOCAL PUSH BUTTON STATION FOR PUMP ON/OFF WITH INDICATING LAMPS AND EMERGENCY POWER OFF.	
	SUPPLY	415 V / 50 Hz / 3 Ph /IP55/IE3/ AC SUPPLY	
	QTY	1 NOS	
LADDER	SIZE	To be Confimed after detail engineering	
	MOC	CS	
SUCTION+ DISCHARGE SIDE PIPING	PIPES	15 NB SCH 80 CPVC, ASTM F441, ASTM D 1784 CLASS 23447	
	FITTINGS	15 NB SCH 80 CPVC, ASTM F439 ASTM D 1784 CLASS 23447	
	FLANGES	15 NB VANSTONE FLANGE #150 (CPVC/UPVC)	
EYE WASHER & SAFTEY SHOWER	MOC	SS304	
HARDWARE	INTEGRAL	A193 Gr.B8M/194 Gr.8M	
	GASKETS	CNAF	
	FOUNDATION	CS PLATED	
BASE FRAME	SIZE	To be Confimed after detail engineering	
	MOC	CS	

Note : Flow switch is not envisaged

For PRORITES EQUIPMENTS PVT LTD.

Pranjali Lanjewar
Engineering