



CENTRIFUGE FEED PUMP  
PUMP CAPACITY: 7.5 cum/hr  
HEAD: 15M  
QTY : 2Nos. (1W+1S)

POLY DOSING PUMP  
PUMP CAPACITY: 200 LPH  
QTY : 2Nos. (1W+1S)

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CENTRIFUGE CAPACITY  
CAPACITY: 7.5 cum/hr  
QTY : 2Nos. (1W+1S)

POLY DOSING TANK AGITATOR  
Motor Rating: 0.75KW  
QTY : 2Nos. (1W+1S)

MARK	DESCRIPTION
BL	BELLOWS
BFV	BUTTERFLY VALVE
PABFV	PNEUMATIC ACTUATED BUTTERFLY VALVE
NV	NEEDLE VALVE
BV	BALL VALVE
NRV	NON RETURN VALVE
PG	PRESSURE GAUGE
SLG	SLUICE GATE
V	VALVE
PIT	PRESSURE INDICATOR TRANSMITTER
FIT	FLOW INDICATOR TRANSMITTER
LIT	LEVEL INDICATOR TRANSMITTER
LS	LEVEL SWITCH
FV	FOOT VALVE
MABFV	MOTORISED ACTUATED BUTTERFLY VALVE
PRV	PRESSURE REDUCING VALVE
MV	MOTORISED VALVE
STR	STRAINER
FI	FLOW INDICATOR

VALVE SCHEDULE					
MARK	SIZE	DESCRIPTION	QTY	TYPE	MOC
V71,72	200 NB	SLUDGE VALVE FROM PST & SLUDGE SUMP	02	SLUICE	CI
V73,74	50 NB	SCREW PUMP - SUCTION	02	BALL	PP
V75,76	50 NB	SCREW PUMP - DISCHARGE	02	BALL	PP
V77,78	50 NB	PDT SUCTION VALVE	02	BALL	PP
V79,80	50 NB	PDT DISCHRG	02	BALL	PP
NV29	15 NB	SCREW PUMP - DISCHARGE PG	01	NEEDLE	SS
NV30,31	15 NB	PDT DISCHRG - PG	02	NEEDLE	SS
NRV26,27	50 NB	SCREW PUMP DISCHARGE NRV	02	BALL TYPE	PP
NRV28,29	50 NB	PDT DISCHRG NRV	02	BALL TYPE	PP
PG29	15 NB	SCREW PUMP DISCHARGE PG	01	NEEDLE	SS
PG30,31	15 NB	PDT DISCHRG PG	02	NEEDLE	SS

Project:	<b>IMPROVEMENT AND MODICATION OF FACILITIES IN EXISTING WATER TREATMENT PLANT AT MAHINDRA WORLD CITY.</b>		
Client:	<b>MAHINDRA WORLD CITY.</b>		
Consultant:	<b>Dr. P. Selvaraj - CHENNAI.</b>		
DRAWN	TITLE:		<b>P&amp;I DIAGRAM Proposed Centrifuge</b>
CHECKED			
APPROVED			
DATE			
SCALE	NTS (A3)	DRG NO.	<b>MWC-IWTP-G-009</b>
REVISION	R-0		<b>SHEET NO. 4 of 11</b>