



Sl.No.	NAME OF UNITS	QTY	DIMENSION (m)
01	COLLECTION TANK	1 No.	13.5 x 13.5 x 3.5m (LD)
02	PUMP CHAMBER	1 No.	3.5 x 2.0 x 3.5m (LD)
03	FLASH MIXER	1 No.	1.5 x 1.5 x 2.5m (LD)
04	PRIMARY SETTLING TANK/ Flocculation Compartment	1 No.	9.2 x 3.0 x 3.5m (LD)
05	PRIMARY SETTLING TANK/ Tube Settler	1 No.	6.2 x 2.0 x 3.5m (LD)
06	AERATOR FEED TANK/BAS FEED TANK	1 No.	9.2 x 6.2 x 3.2m (LD)
07	GENERATOR	1 No.	200 KVA
08	Existing Cascade Aerator	1 No.	10.0m Dia
09	AERATED WATER TANK / Bioactive Adsorption System	1 No.	9.6 x 8.75 x 3.5m (LD)
10	CLARIFLOCCULATOR/ Inlet Compartment	1 No.	3.0mChord Len x 3.5m(SWD)
11	CLARIFLOCCULATOR/ Tube Settler	1 No.	6.5mChord Len x 3.5m(SWD)
12	CLARIFIED WATER TANK (CWT:Com-I)	1 No.	9.5 x 5.7 x 3.5m (LD)
13	PRESSURE SAND FILTER	2 No.	2.0m Dia x 4.5m LOS
14	ACTIVATED CARBON FILTER	2 No.	2.0m Dia x 4.5m LOS
15	ACF FILTRATE COLLECTION TANK (CWT:Com-II)	1 No.	9.5 x 5.7 x 4.5m (LD)
16	UF HOUSE	1 No.	13.5 x 6.5 x 5.5m (Ht)
17	TREATED WATER TANK	1 No.	18.0 x 12.0 x 3.5m (LD)
18	UF CIP TANK	1 No.	2.5m Dia
19	SLUDGE SUMP	1 No.	1.5 x 1.5 x 2.65m (LD)
20	SLUDGE PIT - COMP - I	1 No.	4.0 x 3.0 x 1.5m (LD)
21	SLUDGE PIT - COMP - II	1 No.	4.7 x 3.2 x 1.5m (LD)
22	CENTRIFUGE HOUSE	1 No.	6.7 x 4.7 x 4.0m (Ht)
23	CHEMICAL HOUSE	1 No.	6.0 x 4.5 x 4.0m (Ht)
24	CHLORINATION ROOM	1 No.	5.5 x 4.5 x 4.0m (Ht)
25	MCC ROOM	1 No.	10.0 x 6.0 x 4.0m (Ht)
26	TREATED WATER PUMP HOUSE	1 No.	10.0 x 6.0 x 4.5m (Ht)
27	CHEMICAL ROOM	1 No.	8.0 x 6.0 x 4.0m (Ht)
28	WASTE WATER COLLECTION TANK	1 No.	6.0 x 6.0 x 2.5m (TD)
29	UF BOTTOM DRAIN COLLECTION PIT	1 No.	2.0 x 2.0 x 1.8m (TD)
30	CENTRIFUGE FEED PUMP DRY PIT	1 No.	3.0 x 2.0 x 2.0m (TD)

PUMP PAD DIMENSIONS			
31	BAS Recirculation Pump	2 No.	1.95 x 1.35 x 0.95 (Ht)
32	Clariflocculator Feed Pump	3 No.	1.0 x 0.5 x 0.7m (Ht)
33	BAS Backwash Pump	2 No.	1.9 x 1.2 x 0.8m (Ht)
34	UF Feed Pump	3 No.	1.35 x 0.85 x 0.65m (Ht)
35	UF Backwash Pump	2 No.	1.40 x 0.85 x 0.65m (Ht)
36	UF CIP Pump	2 No.	1.40 x 0.85 x 0.65m (Ht)
37	UF Bottom Drain Transfer Pump	2 No.	1.0 x 0.3 x 0.5m (Ht)
38	PSF Backwash Pump	1 No.	1.6 x 1.0 x 0.81m (Ht)
39	Air Compressor	1 No.	1.0 x 0.5 x 0.5m (Ht)

Project:	IMPROVEMENT AND MODICATION OF FACILITIES IN EXISTING WATER TREATMENT PLANT AT MAHINDRA WORLD CITY.		
Client:	MAHINDRA WORLD CITY.		
Consultant:	Dr. P. Selvaraj - CHENNAI.		
DRAWN	TITLE:		PROPOSED WTP LAYOUT
CHECKED			
APPROVED			
DATE			
SCALE	NTS (A3)	DRG NO.	MWC-IWTP-G-008
REVISION	R-0		1 of 1