

WATER TREATMENT PLANT (PHASE-A)				
S.NO	UNIT NAME	Qty	Length / Dia (m)	Liquid Depth (m)
1	Cascade Aerator	1	6.0	
2	Stilling chamber	1	1.6	3.0
3	Raw Water Channel	1	5	0.75
4	Parshal Flume		THROAT	WIDTH 0.150
5	Distribution chamber	1	1.6	3.0
6	Flash Mixer	2	1.5	2.5
7a	Flocculators	2	8.6	3.5
7b	Lamella Clarifier	2	20	3.0
8	Rapid Sand Gravity Filter	8	6.3	3.9
9	Filter Annexure Building	1	11	6
10	UV Disinfection Tank / Channel	1	As Per Layout	
11	Clear Water Reservoir (with 2 Compartment)	1	52	3.5
12	Clear Water Pump Sump	1	13	
13	Dirty Backwash water sump	1	12	3.5
14a	Clarifier sludge sump	1	2.5	2.5
14b	Clarifier Sludge Pump house	1	5.4	1.5
15	Gravity Sludge Thickener	1	7.6	3
16	Thickened Sludge Pump house	1	4	4.5
17	Centrifuge Building at first floor	1	7	4.5
18	Poly dosing building Building at ground floor	1	7	4.5
19	Chemical House	1	18	13
20	Administration Building (2 Storied)	1	14	10
21	PLC / SCADA Control Room (1st floor)	1	14	10
22	MCC Room	1	4	3
23	Substation	1	10	6
24	Guard Room	2	3	3
25	Parking Shed	1	16.4	6
26	Sludge Storage Area	1	8	1.2
27	Transformer Yard	1	10	6

