

### **RAW WATER PUMP HOUSE PHASE 1**

<b>Equipment</b>	<b>Make</b>	<b>Quantity</b>	<b>Head / Voltage</b>	<b>R.P.M</b>	<b>Capacity</b>
<b>PUMP</b>	M & P	10	65 M	578	22 MGD
<b>MOTOR</b>	BHEL	10	440 V	578	135 KW
<b>TRANSFORMER</b>	K.E.C	2	11 KV / 433 V	.....	1500 KVA

### **RAW WATER PUMP HOUSE PHASE 2**

<b>Equipment</b>	<b>Make</b>	<b>Quantity</b>	<b>Head / Voltage</b>	<b>R.P.M.</b>	<b>Capacity</b>
<b>PUMP</b>	M & P	10	$6.5 \pm 0.5$ M	490	22 MGD
<b>MOTOR</b>	JYOTI	10	415 V	490	110 KW
<b>TRANSFORMER</b>	B.B.L.	2	11 KVA / 415 V	—	1250 KVA

### **FILTER HOUSE**

<b>Parameter</b>	<b>Value / Specification</b>
<b>FILTER HOUSE</b>	<b>2 NOS. (50 MGD EACH)</b>
No. of Filter Beds	20 Nos. (in each)
Capacity per Filter Bed	2.5 M.G.D. Each
Size of Filter Bed	9.50 Mtr × 10.03 Mtr
Bed Level	215.03
T.W.L in Filter Bed	217.53
<b>INLET CHANNEL</b>	
Size	1.2 M × 1.85 M
T.W.L	217.60
<b>PURE WATER CHANNEL</b>	
Size	2.6 M × 1.8 M
Bed Level	213.69

T.W.L	215.13
<b>WASTE WATER CHANNEL</b>	<b>2.675 M WIDE</b>
Bed Level	212.12
Waste Water Line	1200 M.M. DIA
I.L. Outside Filter House	210.70
<b>POST CHLORINATION BUILDINGS</b>	<b>TWO NOS</b>
Chlorinators	4 Nos. (In Each)
Capacity	10 KG/HR
<b>ANNEXE</b>	<b>(2 NOS)</b>
Back Wash Pumps	4 Nos. (In Each)
Back Wash Pump Capacity	1280 M <sup>3</sup> /HR
Air Blowers	4 Nos. (In Each)
Air Blower Capacity	2160 M <sup>3</sup> /HR

**CLARIFIER DIAMETER - 52 METER**