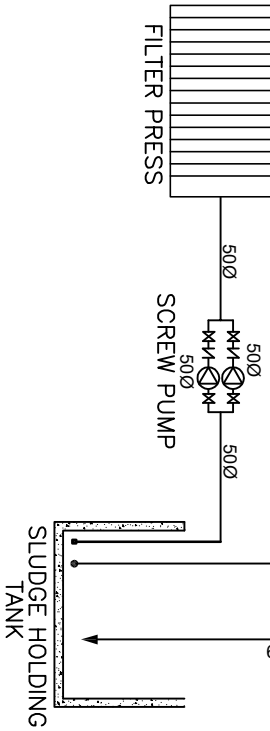


Note: - Pipe Dia to be referred as per this schematic only. In case of any change, pipe dia to be revised accordingly.



- LEGEND :**
- ✕ VALVE
 - N NON RETURN VALVE
 - DIFFUSER
 - P PRESSURE GAUGE
 - FM FLOW METER
 - M WATER METER

**SEWAGE TREATMENT PLANT CAPACITY = 300 KLD
(TO BE INSTALLED IN TWO MODULES OF 150 KLD EACH)**

rev. no.	date	revision
R-1	30/03/17	Misc Revisions.

SEWAGE TREATMENT PLANT DETAILS		
RCC TANKS DETAILS:		
S.NO.	DESCRIPTION	CAPACITY
1.	EQUALIZATION TANK - 1 CHAMBER	120 KL Each
2.	FAB TANK - 4 CHAMBER	15 KL Each
3.	TUBE SETTLER - 2 CHAMBER	5 M2 Each
4.	FILTER FEED TANK - 1 CHAMBER	40 KL Each
5.	SLUDGE HOLDING TANK - 1 CHAMBER	40 KL Each
6.	TREATED WATER STORAGE TANK - 1 CHAMBER	100 KL Each

SEWAGE TREATMENT PLANT DETAILS			
EQUIPMENTS DETAILS:			
S.NO.	DESCRIPTION	FLOW RATE/ CAP.	HEAD
1.	RAW SEWAGE PUMPS - 3 NOS. IN ONE SET (2W+1S)	6.5 CUM/HR	12 METER
2.	AIR BLOWER - 3 NOS. IN ONE SET (2W+1S)	175 CUM/HR	
3.	SLUDGE DISPOSAL PUMPS - 3 NOS. IN ONE SET (2W+1S)	5 CUM/HR	10 METER
4.	SCREW PUMPS - 2 NOS. IN ONE SET (1W+1S)	2 CUM/HR	35 METER
5.	FILTER FEED PUMPS - 2 NOS. IN ONE SET (1W+1S)	19 CUM/HR	30 METER
6.	IRRIGATION WATER TRANSFER PUMPS - 2 NOS. IN ONE SET (1W+1S)	18 CUM/HR	30 METER
7.	BALANCE RAW SEWAGE TRS. PUMPS - 2 NOS. IN ONE SET (1W+1S)	16 CUM/HR	18 METER
8.	HYDROPNEUMATIC WATER SUPPLY PUMPING SYSTEM - 3 NOS. IN ONE SET (2W+1S)	NOT IN THE PRESENT SCOPE OF STP CONTRACTOR	
9.	DEWATERING PUMPS - 2 NOS. IN ONE SET	4 LPS	14 METER
10.	OZONATOR - 1 SET	100 GRAMS / HR	
11.	FILTER PRESS - 1 SET (24 X 24 INCH - 23 PLATES)		
FILTER DETAILS:			
1.	MULTIGRADE FILTER - 1 SET FLOW RATE - 19 CUM/HR AT 16 HRS. OPERATION FOR 300 KLD CAP.	12000	
2.	ACTIVATED CARBON FILTER - 1 SET FLOW RATE - 19 CUM/HR AT 16 HRS. OPERATION FOR 300 KLD CAP.	13000	

project

Golf City
At Plot No. GH-08, Sector - 75, Noida

drg. no.

GC / Plot 8 / STP-01

date

16/06/2015

scale

N.T.S.

released for

Tender

drawn by

Shikha Kaia

ckd by

Anand Havelia

title

Schematic Flow Diagram
Sewage Treatment Plant

architects

Deepak Mehta & Associates
Architects, Planners, Valuers, Landscape & Interiors
Plot No. 16 Abhishek Plaza L.S.C. Mayapuri Vihar Ph II Delhi 91, Phone : 65272180

services consultant

Consummate Engineering Services (P) Ltd.
Noida Office : B - 67, Sector - 67, Noida - 201 301, Tel : (0120) 6943500 (24 Lines)
Lko. Office : R 006, Rohtas Plumeria, Gomti Nagar, Lucknow
e mail : mail@cespl.in, website : www.cespl.in