



R-1	03/08/2012	- STP CAPACITY REVISED.
rev. no.	date	revision

**LEGEND :**  
✕ VALVE  
N NON RETURN VALVE  
● DIFFUSER  
P PRESSURE GAUGE

**SEWAGE TREATMENT PLANT CAPACITY = 440 KLD  
(TO BE INSTALLED IN TWO MODULES OF 220 KLD EACH)**

SEWAGE TREATMENT PLANT DETAILS		
RCC TANKS DETAILS:		
S.NO.	DESCRIPTION	CAPACITY
1.	EQUALIZATION TANK - 1 CHAMBER	110 KL Each
2.	FAB TANK - 4 CHAMBER	25 KL Each
3.	TUBE SETTLER - 2 CHAMBER	8 M2 Each
4.	FILTER FEED TANK - 1 CHAMBER	45 KL Each
5.	SLUDGE HOLDING TANK - 1 CHAMBER	70 KL Each
6.	TREATED WATER STORAGE TANK - 1 CHAMBER	130 KL Each

SEWAGE TREATMENT PLANT DETAILS			
EQUIPMENTS DETAILS:			
S.NO.	DESCRIPTION	FLOW RATE	HEAD
1.	RAW SEWAGE PUMPS - 3 NOS. IN ONE SET (2W+1S)	11 CUM/HR	12 METER
2.	AIR BLOWER - 3 NOS. IN ONE SET (2W+1S)	200 CUM/HR	
3.	SLUDGE DISPOSAL PUMPS - 3 NOS. IN ONE SET (2W+1S)	9 CUM/HR	10 METER
4.	SCREW PUMPS - 2 NOS. IN ONE SET (1W+1S)	3 CUM/HR	40 METER
5.	FILTER FEED PUMPS - 2 NOS. IN ONE SET (1W+1S)	22 CUM/HR	35 METER
6.	IRRIGATION WATER TRANSFER PUMPS - 2 NOS. IN ONE SET (1W+1S)	20 CUM/HR	35 METER
7.	BALANCE RAW SEWAGE TRANSFER PUMPS - 3 NOS. IN ONE SET (2W+1S)	15 CUM/HR	15 METER
9.	HYDROPNEUMATIC WATER SUPPLY PUMPING SYSTEM - 3 NOS. IN ONE SET (2W+1S)	NOT IN THE PRESENT SCOPE OF STP CONTRACTOR	
10.	DEWATERING PUMPS - 2 NOS. IN ONE SET	4 LPS	12 METER
11.	OZONATOR - 1 SET	200 GRMS/HR	
12.	FILTER PRESS - 1 SET (30 X 30 INCH - 29 PLATES)		
FILTER DETAILS:			
1.	MULTIGRADE FILTER - 1 SET FLOW RATE - 22 CUM/HR AT 20 HRS. OPERATION FOR 440 KLD CAP.	1300Ø	
2.	ACTIVATED CARBON FILTER - 1 SET FLOW RATE - 22 CUM/HR AT 20 HRS. OPERATION FOR 440 KLD CAP.	1400Ø	

project

GARDENIA GLORY  
AT SECTOR - 46, NOIDA

title

SCHEMATIC FLOW DIAGRAM  
SEWAGE TREATMENT PLANT (1020 KLD)

drg. no.

GLORY/STP-01

date

16/06/2012

scale

N.T.S.

released for

TENDER

drawn by

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