

PROJECT - DIVYANSH GREEN HEIGHT AT GREATER NOIDA

WATER REQUIREMENT CALCULATIONS (MUNICIPAL SUBMISSION)

S.No.	Description	Built up Area	Horticulture Water Requirement	No. of Units / Seats	Unit Population	Total Population	Domestic Fresh Water Requirement (A)		Recycle Water Requirement (B)		Total Water Requirement (A+B)	Flow to Sewer		
							LPCD	LPD	LPCD	LPD		LPD	Domestic 90%	Flushing 100%
		(Sq.M)	per Sq.M Area								LPD			
1	Apartments			514	4.5	2313	90	208170	45	104085	312255	187353	104085	291438
2	Floating Population					230	5	1150	10	2300	3450	1035	2300	3335
3	Maintenance Staff / Drivers					120	25	3000	20	2400	5400	2700	2400	5100
4	Club (LS)							10000	0	0	10000	9000	0	9000
5	Commercial (LS)							10000	0	0	10000	9000	0	9000
6	Filter Backwash							15000			15000		15000	15000
7	Makeup Water for Swimming Pool							10000			10000			
8	Horticulture	6472	4							25888	25888			
	Total							2,57,320		1,34,673	3,91,993	2,09,088	1,23,785	3,32,873

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION

Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	257
Recycle Water Requirement	135
Flow to Sewer	333
STP Capacity required	330
Net water balance (to discharge into external municipal system)	198
UGT Capacity	
For Domestic Use (1 day storage)	260 KL
For Fire Fighting	400 KL
For Water Curtain @ 5200 lpm	310 KL
Total UGT Capacity	970 KL