

PROPOSED GROUP HOUSING FOR M/S ASSOTECH INFRASTRUCTURE PVT. LTD. AT PLOT NO :- 07, ALISTONIA ESTATE IN SECTOR -PI, G. NOIDA, G.B. NAGAR, (U.P.)														
WATER REQUIREMENT CALCULATIONS (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		
		(Sq.M)	per Sq.M Area				LPCD	LPD	LPCD	LPD	LPD	Domestic 80%	Flushing 100%	LPD
1	Apartments (3 BHK)			76	4.5	342	90	30780	45	15390	46170	24624	15390	40014
2	Apartments (4 BHK)			109	4.5	491	90	44145	45	22073	66217.5	35316	22073	57389
3	Floating Population					90	5	450	10	900	1350	360	900	1260
5	Club (LS)							5000	0	0	5000	4000	0	4000
6	Commercial (LS)							5000	0	0	5000	4000	0	4000
7	Filter Backwash							10000			10000		10000	10000
8	Makeup Water for Swimming Pool							10000			10000			
9	Horticulture	7500	4							30000	30000			
	Total							1,05,375		68,363	1,73,738	68,300	48,363	1,16,663

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION		
	Description	Water Requirement (KLD)
	Domestic Fresh Water Requirement	105
	Recycle Water Requirement	68
	Flow to Sewer	117
	STP Capacity required	120
	Net water balance (to discharge into external municipal system)	48
	UGT Capacity	
	For Domestic Use (16 hrs storage)	70 KL
	For Fire Fighting	200 KL
	For Water Curtain	140 KL
	Total UGT Capacity	410 KL

