

PROJECT - GREEN SHIRE AT GREATER NOIDA

WATER REQUIREMENT CALCULATIONS (TOWERS G6 TO G14)

sl. no.	Description	No. of units	Unit Population	Built up Area	Population	Unit Water Consumption	Total Water Required	Recycle Water Requirement	Total Recycle Water
				(Sq M)	(persons)	(liters)	(liters)	(liters)	(liters)
1	Apartments	1132	4.5		5094	135	687690	45	229230
2	Servant Units	76	2.25		171	135	23085	45	7695
3	Floating Population				1000	15	15000	5	5000
4	Staff				50	45	2250	15	750
5	Filter Backwash						20000		0
7	Horticulture			10000		4	40000	100%	40000
						total	788,025		282,675

SUMMARY OF WATER REQUIREMENT

Total Permanent Population	=	5265	persons	
Total Domestic Water Requirement	=	788,025	lit/day	
Total Recycle Water Requirement	=	282,675	lit/day	
<u>Net Domestic Water Requirement</u>	=	505,350	lit/day	
Total Sewage Load (total domestic water required - horticulture - filter backwash)	=	728,025	lit/day	
Net Sewage Flow - 80% of total sewage load	=	582,420	lit/day	
Sewage Load	=	590	KLD	

