		PRO	JECT - VIC	TORY A	MARA AT G	REATER NO	DIDA		
			WATER RI	EQUIRE	MENT CALC	CULATIONS			
sl. no.	Description	No. of units	Unit Populatio n	Built up Area	Population	Unit Water Consumpti on	Total Water Required	Recycle Water Requirement	Total Recycle Water
				(Sq M)	(persons)	(liters)	(liters)	(liters)	(liters)
1	Apartments	950	4.5		4275	135	577125	45	192375
2	Servant Units	28	2.25		63	135	8505	45	2835
3	Club & Floating Population				650	15	9750	5	3250
4	Staff				150	45	6750	15	2250
5	Commercial / Shopping				150	45	6750	15	2250
6	Filter Backwash						15000		0
7	Make-up water for swimming pool						10000		0
8	Horticulture			5000		4	20000	100%	20000
						total	6,53,880		2,22,960
			SUMMAR	Y OF W	ATER REQU	JIREMENT			
Total Permanent Population						=	4338	persons	
Total Domestic Water Requirement						=	6,53,880	lit/day	
Total Recycle Water Requirement						=	2,22,960	lit/day	
Net Domestic Water Requirement						=	4,30,920	lit/day	
Total Sewage Load (total domestic water required - horticulture - s.pool makeup - fiter backwash						=	6,08,880	lit/day	
Net Sewage Flow - 80% of total sewage load						=	4,87,104	lit/day	
Sewage Treatment Plant capacity required						=	490	KLD	250 kld x 2
Total recycle water required						=	2,22,960	liters	
Net water balance (to discharge into drainage system)						=	2,64,144	liters	
UGT Capacity (for Domestic Use) = 16 hrs storage						=	2,87,280	liters	300 KL
UGT Capacity (for Fire Fighting)						=			200 KL
Total UGT Capacity (Domestic + Fire)						=			500 KL