Water Management Plan

S. No.	89

Details of Assessment Unit			
	State		Uttar Pradesh
	District		Varanasi
	Block/ Mandal/ Taluka/ Firka		ARAZILINE
	Category as per latest GW assessment		Over Exploited
Hydrogeological Details			
	Average Annual Rainfall (Period)	1037.60 **(mm)**	
	Aquifer	Quaternary Alluvium	
	Discharge of Wells		
	Dugwells		
	Borewells	1457.0-3450.0 **(lpm)**	
	Tubewells		
	DCB		
	Water Quality	To be provided by State Government	
	Any other Quality Issue	To be provided by State Government	
Annual Water Availability			
Fresh water Availability	**Ground Water**	7472.28 **(MCM)**	
	Surface water including major water bodies	To be provided by State Government	
Grey water Availability	**Domestic**	To be provided by State Government	
	Industrial	To be provided by State Government	
Annual Water Consumption			
	Agriculture	7672.40 **(MCM)**	
	Domestic	803.86 **(MCM)**	
	Industrial	**(MCM)**	
	Decadal Water consumption trends (Period)	**(MCM/Year)**	
Common GW Abstraction Structure	**Types**	PTW	670 (No.)
		PS	1684 (No.)
		OW	0 (No.)
		STW	144 (No.)
	Average Depth (Mbgl)	PRE	15.03 **(M bgl)**
		POST	12.20 **(M bgl)**
Future Availability			
	Surface Water (MCM)	To be provided by State Government	
	Ground Water (MCM) — **For Irrigation**	803.86 **(MCM)**	
	Ground Water (MCM) — **For Domestic and Industrial**	0 **(MCM)**	
Monitoring			
Surface Water Monitoring	**Average inflow**	To be provided by State Government	
	Average outflow	To be provided by State Government	
	Quality	Potable	
Ground Water Monitoring	**Average DTW**	12.20 **(M bgl)**	
	Average Decadal Water level trends	**Pre**	0.31 m/Yr (Fall)
		Post	0.04 m/Yr (Fall)
Water Management options and Mitigation			
Recycle and Reuse	**Reuse of Domestic Waste Water (Flushing, Horticulture, Agriculture, Industry, Construction etc)**	To be provided by State Government	
	Reuse of Industrial Water	To be provided by State Government	
	Adaptive Management strategies	To be provided by State Government	
Water Conservation and Recharge	**Type of artificial recharge RWH structure feasible**	To be provided by State Government	