Water Management Plan

Details of Assessment Unit		
	State	Rajasthan
	District	Baran
	Block	Baran
	Category as per latest Ground water assessment (2017)	Over-exploited
Hydrogeological Details		
	Average Annual Rainfall (1901-2016) MM	823.07
	Aquifer	Limestone/ Sandstone (LS04, ST06)
	Discharge of Wells (lps)	
	Dugwells	0.50 – 2.80
	Borewells	5.50 – 10.0
	Tubewells	
	Dug Cum Borewell (DCB)	NA
	Water Quality	Fresh
	Any other Quality Issue	NA
Annual Water Availability		
Fresh water Availability	Ground Water (MCM)	57.0336
	Surface water including major water bodies (MCM)	2.3873

Grey water Availability	Domestic (MCM)	NA
	Industrial (MCM)	NA
Annual Water Consumption		
	Agriculture (MCM)	98.4504
	Domestic (MCM)	10.3355
	Industrial (MCM)	NA
	Decadal Water consumption trends (2009-2017) (MCM/year)	Fall : 2.11
Common GW Abstraction Structure	Types	
	Average Depth (mbgl)	
	Dugwells	10-25
	Borewells	100-150
	Tubewells	
	Dug Cum Borewell (DCB)	NA
Future Availability		
	Surface Water (MCM)	NA
	Ground Water (MCM)	0
Monitoring		
Surface Water Monitoring	Average inflow (Cusec)	NA
	Average outflow (Cusec)	NA

	Quality	NA
Ground Water Monitoring	Average Depth to Water level (2019) (mbgl)	Pre Mon. : 19.52 Post Mon: 7.71
	Average Decadal Water level trends (2007-2016) M/year	Pre Mon. : Fall- 0.42, Post Mon: Fall- 0.47
Water Management options and Mitigation		
Recycle and Reuse	Reuse of Domestic Waste Water (Flushing, Horticulture, Agriculture, Industry, Construction etc) (MCM)	NA
	Reuse of Industrial Water (MCM)	NA
	Adaptive Management strategies	Less Water Required Crop, Drip/ Sprinkler irrigation systems etc.
Water Conservation and Recharge	Type of artificial recharge RWH structure feasible	Rooftop rain water harvesting structures, recharging the old, dry and abandoned wells, tube wells and hand pumps,Mini Percolation Tank Percolation Tank Pacca Check dam Anicut Macro Storage Tank Farm Pond Village Pond

Abbreviations:

MM: Millimeter

Lps: Litre per Second

DCB: Dug Cum Borewell

MCM: Million Cubic Metre

TW: Tube Well

Mbgl : Metre below ground level

Cusec: Cubic foot per second ,

m/year: Metre/year