Water Management Plan

Details of Assessment Unit		
	State	Rajasthan
	District	ALWAR
	Block	Laxmangarh
	Category as per latest GW assessment (2017)	Over Exploited
Hydrogeological Details		
	Average Annual Rainfall (1901-2016) MM	557.29
	Aquifer	(Alluvium) AL03
	Discharge of Wells (lps) Dugwells Borewells / Tubewells DCB	 NA 3.0-5.0 NA
	Water Quality	Fresh to slightly saline
	Any other Quality Issue	No any Other Quality Issue
Annual Water Availability		
Fresh water Availability	Ground Water (MCM)	41.0319
	Surface water including major water bodies (MCM)	NA

Grey water Availability	Domestic (MCM)	Not Available
	Industrial (MCM)	Not Available
Annual Water Consumption		
	Agriculture (MCM)	85.3094
	Domestic (MCM)	3.5018
	Industrial (MCM)	NA
	Decadal Water consumption trends (2009-2016) MCM/year	0.4 (Rise)
Common GW Abstraction Structure	Types	Dug well/Bore well/ TW/DCB etc.
	Average Depth (M bgl) Dugwells Borewells Tubewells DCB	NA 240-260 NA
Future Availability		
	Surface Water (MCM)	NIL
	Ground Water (MCM)	0
Monitoring		
Surface Water Monitoring	Average inflow (Cusec)	Not Available
	Average outflow (Cusec)	Not Available

	Quality	Not Available
Ground Water Monitoring	Average DTW (2019) (M bgl)	Pre: 34.46 Post: 35.17
	Average Decadal Water level trends (2005-2016) M/year	Pre: 1.13 (Falling) Post: 1.11(Falling)
Water Management options and Mitigation		
Recycle and Reuse	Reuse of Domestic Waste Water (Flushing, Horticulture, Agriculture, Industry, Construction etc) (MCM)	Not Available
	Reuse of Industrial Water (MCM)	Not Available
	Adaptive Management strategies	Less Water required Crop, Drip Sprinkler irrigation system etc
Water Conservation and Recharge	Type of artificial recharge RWH structure feasible	Rooftop rain water harvesting structures may recharge old, dry and abandoned wells, tubewells, and handpumps in area as per hydrogeological condition (Urban & Rural). Farm pond,,Check dam, Mini Percolation tank, Anicut and Recharge Shaft etc.

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