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| **Water Management Plan Template** |
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| Details of Assessment Unit |
|   | State | Rajasthan |
| District | Rajsamand  |
| Block | Rajsamand  |
| Category as per latest Ground Water assessment (2017) |  Over- Exploited  |
| Hydrogeological Details |   |   |
|   | Average Annual Rainfall (1901-2016) (MM) | 621.07 |
| Aquifer (Major aquifer as per aquifer Mapping) | Gneiss/Schist (GN01a ,GN0b & SC01)  |
| Discharge of Wells (lps) |
| Dugwells | 0.69-1.38 |
| Borewells | 1.21-1.73 |
| Tubewells |
| Dug Cum Borewell (DCB) | NA |
| Water Quality (Fresh/Saline) | Fresh |
| Any other Quality Issue | NA |
| Annual Water Availability |   |   |
| Fresh water Availability | Ground Water (MCM) | 14.4730 |
| Surface water including major water bodies (MCM) | 44.702 |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual Water Consumption |
|   | Agriculture (MCM) | 15.92 |
| Domestic (MCM) | 3.358 |
| Industrial (MCM) | 1.2647 |
| Decadal Water consumption trends (2009-2017) (MCM/year) | Rise : 0.673 |
| Common Ground water Abstraction Structure | Types (Dug well/Bore well/TW/DCB etc) |
| Average Depth (mbgl) |
| Dugwells | 15-30 |
| Borewells | 100-200 |
| 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 (Potable/Non potable) | NA |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | Pre Mon. = 15.28 & Post Mon. = 7.74 |
|   | Average Decadal Water level trends (m/year) | Pre Mon. Fall 0.48 Post Mon. Fall 0.24  |
| 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 (Suggestion for Crop diversification,Micro-irrigation etc) | 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, recharging the old, dry and abandoned wells, tubewells and hand pumps ( urban and rural), Check dam,Farm ponds, Percolation tanks and anicuts 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