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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