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| **Water Management Plan** | | | |
|  |  |  | |
| Details of Assessment Unit | | | |
|  | State | | Rajasthan |
| District | | Rajsamand |
| Block | | Amet |
| Category as per latest Ground Water assessment (2017) | | Over- Exploited |
| Hydrogeological Details |  | |  |
|  | Average Annual Rainfall (1901-2016) (mm) | | 544.73 |
| Aquifer (Major aquifer as per aquifer Mapping) | | Gneiss (GN01) |
| Discharge of Wells (lps) | | |
| Dugwells | | 1.38 |
| Borewells | | 1-1.73 |
| 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) | | 11.1338 |
| Surface water including major water bodies (MCM) | | 6.2178 |
| Grey water Availability | Domestic (MCM) | | NA |
| Industrial (MCM) | | NA |
| Annual Water Consumption | | | |
|  | Agriculture (MCM) | | 12.985 |
| Domestic (MCM) | | 1.244 |
| Industrial (MCM) | | 1.1826 |
| Decadal Water consumption trends (2009-2017) (MCM) | | Rise :0.037 |
| 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 = 17.14 & Post Mon = 11.69 |
| Average Decadal Water level trends (2007 -2016) (m/year) | | Pre Mon. Fall 0.27 & Post Mon.Fall 0.21 |
| 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