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| **Water Management Plan**  |
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| 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 Cropdiversification,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