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| **Water Management Plan Template** |
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| Details of Assessment Unit |
|   | State | Rajasthan |
| District | Sikar |
| Block | Dantaramgarh |
| Category as per latest Ground water assessment (2017) | Over Exploited (OE) |
| Hydrogeological Details |   |   |
|   | Average Annual Rainfall (1901-2016) (MM) | 454 |
| Aquifer | (Older Alluvium, Quartzite) ALO3, QZ01 |
| Discharge of Wells | (lps) |
| Dugwells | 0.50-1.6 |
| Borewells | 0.50-1.8 |
| Tubewells | 1.0-1.92 |
| Dug Cum Borewell (DCB) | NA |
| Water Quality | Fresh |
| Any other Quality Issue | fluoride related |
| Annual Water Availability |   |   |
| Fresh water Availability | Ground Water (MCM) | 42.4 |
| Surface water including major water bodies (MCM) | NIL |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual Water Consumption |
|   | Agriculture (MCM) | 73.41 |
| Domestic (MCM) | 9.31 |
| Industrial (MCM) | 0.1 |
| Decadal Water consumption trends (Period) (2009-2016) (MCM/year) | Rise: (0.069) |
| Common GW Abstraction Structure | Types |  |
| Average Depth | (mbgl)  |
| Dugwells | 50-80 |
| Borewells | 130 - 220 |
| Tubewells |
| Dug Cum Borewell (DCB) | 120-170 |
| Future Availability |   |   |
|   | Surface Water(MCM) | NA |
|   | Ground Water (MCM) | 0 |
| Monitoring |   |   |
| Surface Water Monitoring | Average inflow (Cusec) | NA |
|   | Average outflow (Cusec) | NA |
|   | Quality | NA |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | PRE = 53.91 POST = 53.25 |
|   | Average Decadal Water level trends(2007-16) m/year | Pre Mon.-Fall.0.71 Post Mon.fall.- 0.75 |
| 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 | 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, tube wells and hand pumps (urban & rural), Tanka etc. |

Abbreviations:

GW: Ground water

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

DTW: Depth to Water level

m/year: Metre/year