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| **Water Management Plan Template** | | | |
|  |  |  | |
| 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