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| **Water Management Plan Template** | | |
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| Details of Assessment Unit | | |
|  | State | Rajasthan |
| District | Sikar |
| Block | Piprali |
| Category as per latest Ground water assessment (2017) | Over Exploited (OE) |
| Hydrogeological Details |  |  |
|  | Average Annual Rainfall (1901-2016) (MM) | 466 |
| Aquifer | (Older Alluvium, Quartzite) ALO3, QZ01 |
| Discharge of Wells | (lps) |
| Dugwells | 0.50-1.6 |
| Borewells | 1.00-1.92 |
| Tubewells |
| Dug Cum Borewell (DCB) | 1.00-1.84 |
| Water Quality | Fresh |
| Any other Quality Issue | Some area affected by salinity |
| Annual Water Availability |  |  |
| Fresh water Availability | Ground Water (MCM) | 29.15 |
| Surface water including major water bodies (MCM) | NIL |
| Grey water Availability | Domestic (MCM) | Not Available |
| Industrial (MCM) | Not Available |
| Annual Water Consumption | | |
|  | Agriculture (MCM) | 48.44 |
| Domestic (MCM) | 15.04 |
| Industrial (MCM) | 0.36 |
| Decadal Water consumption trends ((MCM/year) | Rise 0.259 |
| Common GW Abstraction Structure | Types |  |
| Average Depth | (mbgl) |
| Dugwells | 70-80 |
| Borewells | 150-250 |
| Tubewells |
| Dug Cum Borewell (DCB) | 130-200 |
| Future Availability |  |  |
|  | Surface Water (MCM) | NIL |
|  | Ground Water (MCM) | 0 |
| Monitoring |  |  |
| Surface Water Monitoring | Average inflow (Cusec) | Not Available |
|  | Average outflow (Cusec) | Not Available |
|  | Quality | Not Available |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | PRE = 51.18 POST = 49.67 |
|  | Average Decadal Water level trends M/year | Pre mon. Fall.(-1.11) Post mon. fall. (-1.12) |
| Water Management options and Mitigation | | |
| Recycle and Reuse | Reuse of Domestic Waste Water (Flushing, Horticulture, Agriculture, Industry, Construction etc) (MCM) | Not Available |
| Reuse of Industrial Water(MCM) | Not Available |
| 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