|  |  |  |
| --- | --- | --- |
| Water Management Plan Template | | |
|  |  |  |
| Details of Assessment Unit | | |
|  | State | Rajasthan |
| District | Sikar |
| Block | DHOD |
| Category as per latest Ground water assessment (2017) | Over Exploited (OE) |
| Hydrogeological Details |  |  |
|  | Average Annual R(MM)ainfall (1901-2016) | 466 |
| Aquifer | Older Alluvium (ALO3) |
| Discharge of Wells | (lps) |
| Dugwells | 0.50-1.6 |
| Borewells | 0.50-2.08 |
| Tubewells |
| Dug Cum Borewell (DCB) | NA |
| Water Quality | Fresh |
| Any other Quality Issue | NA |
| Annual Water Availability |  |  |
| Fresh water Availability | Ground Water (MCM) | 36.27 |
| Surface water including major water bodies (MCM) | NA |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | Not Available |
| Annual Water Consumption | | |
|  | Agriculture (MCM) | 62.37 |
| Domestic (MCM) | 11.83 |
| Industrial (MCM) | 0 |
| Decadal Water consumption trends (2009-2016) (MCM/year) | Rise 1.39 |
| Common GW Abstraction Structure | Types |  |
| Average Depth | (mbgl) |
| Dugwells | 80-100 |
| Borewells | 100 - 220 |
| Tubewells |
| Dug Cum Borewell (DCB) | 100-150 |
| Future Availability |  |  |
|  | Surface Water (MCM) | NA |
|  | Ground Water | 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 = 76.28 POST = 76.68 |
|  | Average Decadal Water level trends(2007-2016) M/year | Pre Mon. Fall.1.33 Post Mon. Fall.1.35 |
| 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