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| **Water Management Plan** | | |
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| Details of Assessment Unit | | |
|  | State | Rajasthan |
| District | Sawai -Madhopur |
| Block | Chauth Ka Barwada |
| Category as per latest Ground water assessment (2017) | Over- Exploited |
| Hydrogeological Details |  |  |
|  | Average Annual Rainfall ( 1990-2016) (MM) | 895.96 |
| Aquifer | Older alluvium, Schist, Shale  (ALO5, SC01, SH04) |
| Discharge of Wells | (lps) |
| Dugwells | 0.60-3.0 |
| Borewells | 6.0-10.0 |
| Tubewells | 6.0-10.0 |
| Dug Cum Borewell (DCB) | NA |
| Water Quality | Fresh |
| Any other Quality Issue | NA |
| Annual Water Availability | | |
| Fresh water Availability | Ground Water (MCM) | 46.38 |
| Surface water including major water bodies (MCM) | - |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual Water Consumption | | |
|  | Agriculture (MCM) | 41.33 |
| Domestic (MCM) | 8.56 |
| Industrial (MCM) | - |
| Decadal Water consumption trends (MCM/year) | New Block |
| Common GW Abstraction Structure | Types |  |
| Average Depth | (mbgl) |
| Dugwells | 20-30 |
| Borewells | 150-200 |
| Tubewells | 150-200 |
| 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 | NA |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | PRE 2019 = 18.77  POST 2019 =05.70 |
|  | Average Decadal Water level trends (2007-2016) M/year | PRE 1.17, POST 2.43 (Rising ) |
| 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), Construction of Check Dam, Percolation Tank, Farm pond, Anicut Recharge Shaft 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