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| **Water Management Plan** | | |
|  |  |  |
| Details of Assessment Unit | | |
|  | State | Rajasthan |
| District | Tonk |
| Block | Malpura |
| Category as per latest Ground water assessment (2017) | Overexploited |
| Hydrogeological Details | | |
|  | Average Annual Rainfall (Period 1985-2019) (MM) | 553.06 |
| Aquifer | AL03(Alluvium), SH01(Schist), GN01(Gneiss) |
| Discharge of Wells | (lps) |
| Dugwells | 1.65-1.75 |
| Borewells | 1.35-1.45 |
| Tubewells | 1.35-1.45 |
| Dug Cum Borewell (DCB) | 1.35-1.45 |
| Water Quality | Fresh/Saline |
| Any other Quality Issue | - |
| Annual Water Availability | | |
| Fresh water Availability | Ground Water (MCM) | 40.76 |
| Surface water including major water bodies (MCM) | - |
| Grey water Availability | Domestic (MCM) | Not Available |
| Industrial (MCM) | Not Available |
| Annual Water Consumption | | |
|  | Agriculture (MCM) | 43.90 |
| Domestic (MCM) | 8.58 |
| Industrial (MCM) | - |
| Decadal Water consumption trends (2009-2017) M/year | Rise 1.2160 |
| Common Ground water Abstraction Structure | Types |  |
| Average Depth | ( mbgl) |
| Dugwells | 15-25 |
| Borewells | 130-160 |
| Tubewells | 130-160 |
| Dug Cum Borewell (DCB) | 130-160 |
| Future Availability |  |  |
|  | Surface Water (MCM) | NA |
|  | 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 2019 = 11.49  POST 2019 =6.18 |
|  | Average Decadal Water level trends M/year | PRE 0.104 POST 0.531 |
| 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), Construction of Check Dam, Percolation Tanks, Farm pond, Recharge Shaft, Macro storage tank etc. |
|  |  |  |

Abbreviations:

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