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| **Water Management Plan**  |
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| Details of Assessment Unit |
|  |   |   |
| State | Rajasthan |
| District | Pratapgarh |
| Block | Chhotisadri  |
| Category as per latest Ground water assessment (2017) |  Over- Exploited  |
| Hydrogeological Details |
|  | Average Annual Rainfall (1901-2016) (MM) | 849.92 |
| Aquifer (Major aquifer as per aquifer Mapping) | Basalt, Shale, SchistBSO1, SHO4, SCO2 |
| Discharge of Wells (lps) |
| Dugwells | 1.70-1.90 |
| Borewells |   |
| Tubewells | 1.90-2.10 |
| Dug Cum Borewell (DCB) | 1.80-2.00 |
| Water Quality (Fresh/Saline) | Fresh |
| Any other Quality Issue | NA |
| Annual Water Availability |
| Fresh water Availability | Ground Water (MCM) | 33.02 |
| Surface water including major water bodies (MCM) | 1.001 |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual Water Consumption |
|  | Agriculture (MCM) | 46.51 |
| Domestic (MCM) | 0.49 |
| Industrial (MCM) | NA |
| Decadal Water consumption trends (2009-2017) (MCM/year) | Rise : 0.5942 |
| Common GW Abstraction Structure | Types (Dug well/Bore well/ TW/ DCB etc.) |
| Average Depth (mbgl) |
| Dugwells | 20-25 |
| Borewells | 100-200 |
| Tubewells |
| 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 (Potable/Non potable) | NA |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | Pre Mon. 30.44 & Post Mon. 14.64  |
| Average Decadal Water level trends (2005-2016) (m/year) |  Pre Mon. Fall 0.55 & Post Mon. Fall 0.27  |
|   |   |   |
| 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 (Suggestion for Cropdiversification,Micro-irrigation etc) | 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, tubewells and hand pumps ( urban and rura), Check dam,Farm ponds, Percolation tanks and anicuts 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

m/year: Metre/year