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| **Water Management Plan**  |
| Details of Assessment Units |
|   | State | Rajasthan |
| District | Udaipur |
| Block | Badgaon |
| Category as per latest Ground water assessment (2017) | Over-exploited |
| Hydrogeological Details |
|   | Average Annual Rainfall (1901-2016) (MM) | 636.09 |
| Aquifer |  Phyllite, Schist "SCO2" [NC] |
| Discharge of wells (lps) |
| Dug wells | 0.35 - 0.50 |
| borewells | 0.55 - 0.60 |
| tubewells |
| Dug Cum Borewell (DCB) | NA |
| Water Quality | Fresh |
| Any other quality issue | NA |
| Annual water availability |
| Fresh water availability | Ground Water (MCM) | 9.46 |
| Surface water including major water bodies (MCM) | 5.55 |
| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual water consumption |
|   | Agriculture (MCM) | 11.01 |
|   | Domestic (MCM) | 0.92 |
|   | Industrial (MCM) | NA |
|   | Decadal Water Consumption trends (2009-2017) (MCM/year) | Rise : 0.14 |
| Common Ground Water Abstraction structures | Types |   |
| (Average Depth mbgl) |
| Dugwells | 12-25 |
| Borewells | 70-150 |
| 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 | NA |
| Ground water monitoring | Average Depth to Water level (2019) mbgl | Pre Mon. : 19.47Post Mon. : 5.43  |
| Average decadal water level trends (2001-2016) M/year | Pre Mon. : Fall 0.12 Post Mon. : Fall 0.12  |
| Water Management options and Mitigation |
| Recycle and Reuse | Reuse of Domestic waste water (MCM) | NA |
| Reuse of industrial water(MCM)  | NA |
| Adaptive Management strategies | Less water required crops , Drop-irrigation tecniques, micro-irrigation, mixed crop pattern |
| Water conservation and recharge | Type of Artificial recharge RWH structure feasible | Rooftop rain water harvesting structures, trenches, recharge shafts, percolation tanks 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