Water Management Plan

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| Details of Assessment Unit |
|  | State | Rajasthan |
| District | Dausa |
| Block | Bandikui |
| Category as per latest Ground Water assessment (2017) | Over-Exploited |
| Hydrogeological Details |  |  |
|  | Average Annual Rainfall(1990-2016) MM |  689.22 |
| Aquifer | (Alluvium, Quartzite, Gneiss)A, Ao, Q, Gn |
| Discharge of Wells (lps) |
| Dugwells | 1.20 – 1.40 |
| Borewells | 1.30 – 1.50 |
| Tubewells |
| Dug Cum Borewell (DCB) | NA |
| Water Quality | Fresh |
| Any other Quality Issue | NA |
| Annual Water Availability |
| Fresh water Availability | Ground Water (MCM) | 39.74 |
| Surface water including major water bodies (MCM) | - |

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| Grey water Availability | Domestic (MCM) | NA |
| Industrial (MCM) | NA |
| Annual Water Consumption |
|  | Agriculture | 58.29 |
| Domestic | 4.09 |
| Industrial | NA |
| Decadal Water consumption trends (2009-2017) (MCM/year) | Rise : 1.51 |
| Common GW Abstraction Structure | Types ( mbgl) |
| Average Depth |
| Dugwells | 30-35 |
| Borewells | 150-200 |
| Tubewells |
| Dug Cum Borewell | NA |
| Future Availability |  |  |
|  | Surface Water(MCM)  | NA |
|  | Ground Water(MCM) | 0 |
| Monitoring |  |  |
| Surface Water Monitoring | Average inflow (Cusec) | NA |
|  | Average outflow (Cusec) | NA |

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|  | Quality | NA |
| Ground Water Monitoring | Average Depth to Water level (2019) (mbgl) | Pre. Mon. 2019 = 40.10Post Mon. 2019=37.33 |
|  | Average Decadal Water level trends (2010-2019) M/year | Pre Mon Rise= 0.01Post Mon Rise = 0.197 |
| 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 systems 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, Mini Percolation TankPercolation TankPacca Check dam,Recharge shaft,Anicut,Macro Storage Tank,Farm Pond,Village Pond 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