File No.CGWA-28/1/2020-CGWA

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Krishnagiri
	Block/Mandal/Taluk/Firka	Taluk Shoolagiri / Berigai Firka
	Category as per the latest ground water assessment (2017)	Over-Exploited
Hydrogeological details		
	Normal Rainfall (mm) Monsoon Non Monsoon	566 mm 176 mm
	Aquifer	Gneiss/Charnockite
	Discharge of Wells (lps)	
	Dugwells	1 to 2
	Borewells/Tubewells	3 to 5
	DCB	2.5
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	9.2640
	Surface water including major water bodies (in MCM)	4.285
Grey water availability	**Domestic (in MCM)**	0.1564
	Industrial (in MCM)	0.1043
Annual water consumption		
	Agriculture (in MCM)	5.2763
	Domestic (in MCM)	0.2608
	Industrial (in MCM)	0.1738
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	Couldn't derived
Common GW abstraction structures	**Types**	Dug well/ Borewell/ TW/ DCB, etc.
	Average depth (mbgl)	
	Dugwells	10 to 35
	Borewells/Tubewells	100 m to 250 m
	DCB	80 to 150

Future availability		
	Surface water (MCM)	4.285
	Ground water (MCM)	0
Monitoring		
Surface water Monitoring	**Average inflow (Cusec)**	
	Average outflow (Cusec)	
	Quality (Potable/Non potable)	Potable
Ground water monitoring	**Average DTW (mbgl)**	20.42
	Average decadal water level trends (m/year(Rise/falling/no change))	Rise
Water management options and mitigation		
Recycle and Reuse	**Reuse of domestic waste water (Flushing, Horticulture, Agriculture, Industry, Construction, etc)**	Available treated water Used for Horticulture and industrial uses
	Reuse of Industrial water	It is being managed within the industrial purpose like cleaning, gardening etc.,
	Adaptive management strategies	Suggestion for crop diversification, micro- irrigation etc.
Water conservation and recharge	**Type of artificial recharge RWH structure feasible**	Rooftop RWH structures, percolation ponds, construction of Check dams

Abbreviations used

mm: millimetre
lps : Litres Per Second
MCM: Million Cubic Metres
TW: Tube Well
DCB: Dug Cum Bore well
Mbgl: Metres below groundlevel
Cusec: One cubic foot per second
DTW: Depth to water level
RWH: Rainwater Harvesting