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

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Kallakurichi
	Block/Mandal/Taluk/Firka	Thiyagadurgam/ Kallakurichi/ Thiyagadurgam
	Category as per the latest ground water assessment (2017)	
Hydrogeological details		
	Average Annual Rainfall (mm)	1046.29
	Aquifer	Gneiss
	Discharge of Wells (lps)	
	Dugwells	1-2
	Borewells/Tubewells	1-2
	DCB	
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	31.53
	Surface water including major water bodies (in MCM)	
Grey water availability	**Domestic (in MCM)**	0.58
	Industrial (in MCM)	0.39
Annual water consumption		
	Agriculture (in MCM)	3629.6
	Domestic (in MCM)	57.954
	Industrial (in MCM)	38.636
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	
Common GW abstraction structures	**Types**	Dug well / Bore well
	Average depth (mbgl)	
	Dugwells	10-25m
	Borewells/Tubewells	60-100m
	DCB	

Future availability		
	Surface water (MCM)	
	Ground water (MCM)	0
Monitoring		
Surface water Monitoring	**Average inflow (Cusec)**	
	Average outflow (Cusec)	
	Quality (Potable/Non potable)	
Ground water monitoring	**Average DTW (mbgl)**	
	Average decadal water level trends (m/year(Rise/falling/no change))	fall
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