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

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Kallakurichi
	Block/Mandal/Taluk/Firka	Chinnasalem/ Chinnasalem/ Nainarpalayam
	Category as per the latest ground water assessment (2017)	Over Exploited
Hydrogeological details		
	Average Annual Rainfall (mm)	1046.29
	Aquifer	Charnockite
	Discharge of Wells (lps)	1-2
	Dugwells	1-2
	Borewells/Tubewells	
	DCB	1-2
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	25.19319828
	Surface water including major water bodies (in MCM)	
Grey water availability	**Domestic (in MCM)**	0.391395239
	Industrial (in MCM)	0.260930159
Annual water consumption		
	Agriculture (in MCM)	3064.44
	Domestic (in MCM)	34.434
	Industrial (in MCM)	22.956
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	
Common GW abstraction structures	**Types**	Dug well/ Bore well/ Dug cum bore well
	Average depth (mbgl)	
	Dugwells	18-22m
	Borewells/Tubewells	60-100
	DCB	

Future availability		
	Surface water (MCM)	
	Ground water (MCM)	
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