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

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Erode
	Block/Mandal/Taluk/Firka	Block Nambiyur/ Taluk Gobi / Elathur Firka
	Category as per the latest ground water assessment (2017)	OVER-EXPLOITED
Hydrogeological details		
	Normal Rainfall (mm) Monsoon Non Monsoon	 628.51 225.30
	Aquifer	Gneiss/Charnockite/ Granite
	Discharge of Wells (lps)	
	Dugwells	3 to 5
	Borewells/Tubewells	1 to 2
	DCB	2.5
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	23.5199
	Surface water including major water bodies (in MCM)	
Grey water availability	**Domestic (in MCM)**	0.212
	Industrial (in MCM)	0.141
Annual water consumption		
	Agriculture (in MCM)	25.027
	Domestic (in MCM)	0.353
	Industrial (in MCM)	0.236
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	Couldn't derived
Common GW abstraction structures	**Types**	Dug well & Bore well
	Average depth (mbgl)	
	Dugwells	12 to 20
	Borewells/Tubewells	120 m to 275 m
	DCB	60 to 120

Future availability		
	Surface water (MCM)	0.818
	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)**	8.4
	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 Hoticulture 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 Metre
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