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

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Tiruvannamalai
	Block/Mandal/Taluk/Firka	Vandavasi/Peranamallur/Kolappalur
	Category as per the latest ground water assessment (2017)	**Overexploited**
Hydrogeological details		
	Normal Rainfall (mm) Monsoon Non Monsoon	 973 109
	Aquifer	Charnockite and Gneiss
	Discharge of Wells (lps)	
	Dugwells	2 to 5
	Borewells/Tubewells	2 to 5
	DCB	2 to 5
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	17.25
	Surface water including major water bodies (in MCM)	15.651
Grey water availability	**Domestic (in MCM)**	0.30
	Industrial (in MCM)	0.20
Annual water consumption		
	Agriculture (in MCM)	18.20
	Domestic (in MCM)	0.34
	Industrial (in MCM)	0.22
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	Decline
Common GW abstraction structures	**Types (**Dug well/Borewell/TW/DCB etc.)	
	Average depth (mbgl)	Dug well & Bore well
	Dugwells	10 to 25
	Borewells/Tubewells	100 to 175
	DCB	nil

Future availability		
	Surface water (MCM)	
	Ground water (MCM)	0.00
Monitoring		
Surface water Monitoring	**Average inflow (Cusec)**	
	Average outflow (Cusec)	
	Quality (Potable/Non potable)	
Ground water monitoring	**Average DTW (mbgl)**	15
	Average decadal water level trends (m/year(Rise/falling/no change))	Decline/Fall
Water management options and mitigation		
Recycle and Reuse	**Reuse of domestic waste water (Flushing, Horticulture, Agriculture, Industry, Construction,etc)**	Usage of treated domestic waste waterfor 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 techniques, effective usage of STP water etc.
Water conservation and recharge	**Type of artificial recharge RWH structure feasible**	RooftopRWHstructures, percolation ponds, construction of Check dams

Abbreviations used

mm: Millimetre
lps : Litre Per Second
MCM: Million Cubic Metre
TW: Tube Well
DCB: Dug Cum Bore well
Mbgl: Metre below groundlevel
Cusec: One cubic foot per second
DTW: Depth to water level
RWH: Rain Water Harvesting