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

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Dindigul
	Block/Mandal/Taluk/Firka	Dharmathupatti Firka/ Dindigul West
	Category as per the latest ground water assessment (2017)	Over Exploited
Hydrogeological details		
	Normal Rainfall (mm) Monsoon Non Monsoon	705.63mm 180.20mm
	Aquifer	Unconfined-BGC,Gneiss
	Discharge of Wells (lps)	
	Dugwells	1.5
	Borewells/Tubewells	2 to 3.5
	DCB	2.5
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	**Ground water (in MCM)**	10.6421
	Surface water including major water bodies (in MCM)	3.642
Grey water availability	**Domestic (in MCM)**	0.1843
	Industrial (in MCM)	0.1223
Annual water consumption		
	Agriculture (in MCM)	10.6200
	Domestic (in MCM)	0.3072
	Industrial (in MCM)	0.2048
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	Couldn't be arrived
Common GW abstraction structures	**Types (**Dug well/Borewell/TW/DCB etc.)	Dug well & Bore well
	Average depth (mbgl)	
	Dugwells	10 to 20
	Borewells/Tubewells	115 to 300
	DCB	60 to 120

Future availability		
	Surface water (MCM)	-
	Ground water (MCM)	0
Monitoring		
Surface water Monitoring	**Average inflow (Cusec)**	Nil
	Average outflow (Cusec)	Nil
	Quality (Potable/Non potable)	Potable
Ground water monitoring	**Average DTW (mbgl)**	4.97
	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 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 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