

WATER MANAGEMENT PLAN TEMPLATE

Details of Assessment Unit		
	State	Tamil Nadu
	District	Ariyalur
	Block/Mandal/Taluk/Firka	Taluk SENDURAI/SENDURAI Firka
	Category as per the latest ground water assessment	Semi-Critical-2017
Hydrogeological details		
	Normal Rainfall	Monsoon 766 mm Non Monsoon 139 mm
	Aquifer	Pliocene Aquifer unconfined
	Discharge of Wells	
	Dugwells	2 to 5 lps
	Borewells/Tubewells	5 to 10 lps
	DCB	10 lps
	Water Quality	Fresh
	Any other Quality Issue	
Annual Water Availability		
Fresh Water availability	Ground water (Quantum in MCM)	12.44895119
	Surface water including major water bodies (Quantum in MCM)	7.033
Grey water availability	Domestic (Quantum in MCM)	0.8738
	Industrial (Quantum in MCM)	0.5825 mcm
Annual water consumption		
	Agriculture (Quantum in MCM)	8.5520 mcm
	Domestic(Quantum in MCM)	1.456 mcm
	Industrial(Quantum in MCM)	0.970mcm
	Decadal Water consumption trends (period)	Couldn't derived
Common GW abstraction structures	Types	Dug well & Tube well
	Average depth	
	Dugwells	10 to 21 mts bgl
	Borewells/Tubewells	100 m to 250 mts bgl
	DCB	40 to 150 mts bgl

Future availability		
	Surface water	Not available
	Ground water	1.4263566 mcm
Surface water Monitoring	Average inflow	Not available
	Average outflow	Not available
	Quality	Potable
Ground water monitoring	Average DTW	Pre monsoon 4.12 mts Post monsoon 1.07 mts
	Average decadal water level trends	0.26falling
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