

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
MANANTHAVADI



District
WAYANAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	SHINOJ T V	ASSISTANT ENGINEER	04935241493	7012640006	shinojtvarkey@gmail.com
Mayor.Pre	Rathnavally CK	NA	04935240253	9495945700	rathnavallyck@gmail.com
Municipal.C/C.Ofc	Mampally Santhoshkumar	NA	04935240253	8281846735	mndymunicipality@gmail.com
Head,W.S/S.De	Manoj M	NA	04936220422	8547638058	kwaphdsby@gmail.com
HOD/P.H.de	Manoj M	NA	04936220422	8547638058	kwaphdsby@gmail.com

Parastatal Agency

Any parastatal agency engaged? : **Yes**

No. Of Parastatal Agency : **1**

#	Organization name	Nodal officer name	Designation	Landline no.	Mobile no.	E-mail ID
1	KERALA WATER AUTHORITY	MANOJ M	AEE	04936220422	8547638058	kwaphdsby@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	47974	Households (Census 2011)	11845	City area (sq. km.)	4.6
Wards in city	4	Slum settlements (No.)	0	Industries (No.)	0
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	57569	Households in 2021(no.)	14215
Population density	12515	Slum population in 2021	0	Slum households 2021	0

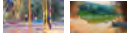



Future Projection

City population in 2025	62175	Households in 2025	15352	Slum households in 2025	0
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Engineering College/ Organization/ Experts Working in Water Sector in the ULB

#	Type	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
1	Organization	KWA	MANOJ M	04936220422	8547638058	kwaphdsby@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Park	Pazhassi Park	
2	Women Self Help Group	Kudumbasree Mill	
3	Sewage Treatment Plant/ Water Treatment Plant	Chuttakadavu WTP	
4	Water Body	Kabani River	

Water Supply

Major Water Sources Details

#	Type	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
1	River	KABINI,CHUTTAKADAVEWTP	1	10	No	NA

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	WTP Mananthavady	3.5	3.5	KABINI,CHUTTAKADAVEWTP	Other(Sim)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4000	4150	2.430
2	Commercial Establishments	150	NA	0.150
3	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.43	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	2.43	Average per capita water supply in LPCD	144.578

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	12.450	Commercial establishments	0.375	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	13.325
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?	NA		

WB Rejuvenation & RWH

Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Implemented	No. of water tanks at religious places in your city	0
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Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	KARIMKULAM	0.0028			Bad	No
2	Water Body	KABANI RIVER	0.06			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.944	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0	Sewage treated through STP in MLD	0

Septage Coverage

No. of households covered	0	Sewage generated in MLD	0	Sludge treated through FSSM in KLD	0	Grey water recycled in MLD	0
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Sewage Treatment Plants (STP)

#	Location of STP	Designed capacity in MLD	Operational capacity in MLD	Reused capacity in MLD	Reuse purpose	Revenue from reused water	Automatic monitoring?	Technology used
No data available in table								

City Water Balance Plan Summary

Current Infrastructure assets/supply FY21-22 (A)		Projected consumption/demand FY25-26 (B)		Estimated gap FY25-26 (C)= (B)-(A)	
Water Supply					
Water supplied to households	2.43	Water demand	13.325	Gap in water supply	10.895
Water treatment capacity	3.5	Water to be treated	13.325	Gap in water treatment	9.825
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4150	Total households including slums	15352	Gap in households tap connections including slums	11202
Used Water					
Used water being treated	0	Used water generation	9.96	Gap in used water treatment	9.96
Used water being recycled	0	Used water to be recycled (20%)	1.992	Gap in used water recycling	1.992
Sewer connections provided (including coverage with septage management)	0	Total households	15352	Gap in household sewer connections/ coverage with septage management	15352