

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
WADAKKANCHERI



District
THRISSUR



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	MAHENDRA P A	MUNICIPAL ENGINEER	04884232252	9605860054	aelsgdwky@gmail.com
Mayor.Pre	P N SURENDRAN	NA	04884232252	9446626155	chairmanwkyp@gmail.com
Municipal.C/C.Ofc	K K Manoj	NA	04884232252	9946692902	wckymp001@gmail.com
Head,W.S/S.De	E N Surendran	NA		8547638052	e_surendran@yahoo.com
HOD/P.H.de	SREENIVASAN N D	NA	04884232252	9446521095	wckymp@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	E N Surendran	Executive Engineer		8547638052	e_surendran@yahoo.com

City profile as per FY 2020-21

City population(Census 2011)	61341	Households (Census 2011)	15146	City area (sq. km.)	51.56
Wards in city	41	Slum settlements (No.)	09	Industries (No.)	37
Industrial clusters	01	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	73609	Households in 2021(no.)	18175
Population density	1428	Slum population in 2021	982	Slum households 2021	242




Future Projection

City population in 2025	79498	Households in 2025	19629	Slum households in 2025	284
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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	Engineering College	Thejas Engineering College	Dr K Vijayakumar	04885260100	7025630001	info@thejusengg.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Women Self Help Group	Kudumbasree CDS	
2	Water Body	Ammattikkulam	
3	Water Body	KWA Plant	

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	BHARATHAPUZHA	1	2.4	Yes	12
2	Well	OPEN WELL	197	2.95	No	NA
3	Borewell	WADAKKANCHERY	218	2.81	No	NA
4	Pond	WADAKKANCHERY	45	1.08	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	BHARATHAPUZHA	2.4	2.4	BHARATHAPUZHA	Other(KWA)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1510	1510	0.3
2	Commercial Establishments	252	NA	1.2
3	Industries	37	NA	0.9
4	Slums	00	00	00

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.3	Water supply directly through tankers in MLD	0.22	Water supply through tubewell & borewell in MLD	0.81
Treated water supply in MLD	0	Total water supply in MLD	1.33	Average per capita water supply in LPCD	49.056

Estimated Future Water Demand in 2025 (in MLD)




Residential/ Households including slums	13	Commercial establishments	1.6	Industries	1.7
Institutional establishments	0.92	Slums	0.15	Total	17.220000000000002
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	Ammattikkulam	0.08		10.383232 - 76.144534	Good	Yes
2	Water Body	Chelakkulam	0.06		10.390386 - 76.144536	Good	Yes
3	Water Body	Ottupara Kulam	0.04		10.395332 - 76.150592	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	00	Sewage generated in MLD	1.064	Sewage treated through STP in MLD	00

Household not connected to sewer network					
No. of households covered	00	Sewage generated in MLD	00	Sewage treated through STP in MLD	00

Septage Coverage

No. of households covered	00	Sewage generated in MLD	00	Sludge treated through FSSM in KLD	00	Grey water recycled in MLD	00
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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	1.33	Water demand	17.22	Gap in water supply	15.89
Water treatment capacity	2.4	Water to be treated	17.22	Gap in water treatment	14.82
Households with tap connections in slums	0	Total slum households	284	Gap in household tap connections	284
Households covered with Tap connections (City)	1510	Total households including slums	19629	Gap in households tap connections including slums	18119
Used Water					
Used water being treated	0	Used water generation	10.4	Gap in used water treatment	10.4
Used water being recycled	0	Used water to be recycled (20%)	2.08	Gap in used water recycling	2.08
Sewer connections provided (including coverage with septage management)	0	Total households	19629	Gap in household sewer connections/ coverage with septage management	19629