

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
THODUPUZHA (M)



District
IDUKKI



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Gigi Thomas	Assistant Executive Engineer	04862222711	9447821842	munaeeelsgtdtpa@gmail.com
Mayor.Pre	Sanish george	NA	04862222711	9747957237	munsectdpa@gmail.com
Municipal.C/C.Ofc	Bijumon Jacob	NA	04862222711	9747976547	munsectdpa@gmail.com
Head,W.S/S.De	Jatheesh	NA	04862222912	8547638426	eetdpa@gmail.com
HOD/P.H.de	Umadevi	NA	04862222630	9745152749	supdtthqhtdpa@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 authourity	Ajeesh George	Asst Engineer	04862222912	8547638429	eetdpa@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	52025	Households (Census 2011)	12846	City area (sq. km.)	35
Wards in city	35	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	62430	Households in 2021(no.)	15415
Population density	1784	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	67424	Households in 2025	16648	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	Kerala water authority	Ajeesh George	04862222912	8547638429	eetdpa@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Thodupuzha river	
2	Park	Thodupuzha Municipality Childrens park	

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	Thodupuzha river	1	27	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	Thodupuzha old WTP	3.6	3.6	Thodupuzha river	Other(FADS,FCMA)
2	Thodupuzha new WTP	3.6	3.6	Thodupuzha river	Other(FADS,FCMA)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Commercial Establishments	965	NA	.97
2	Industries	4	NA	.08
3	Institutional Establishments	53	NA	.16
4	Slums	163	0	.59
5	Residential / Households	8628	9650	5.276

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5.276	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	5.276	Average per capita water supply in LPCD	134.996

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	10.92	Commercial establishments	1.50	Industries	.50
Institutional establishments	.25	Slums	0.6	Total	13.17
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	8
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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	Thodupuzha river	60		9.89 - 76.71	Bad	Yes
2	Water Body	Puthuchira	1		9.89 - 76.71	Bad	No
3	Water Body	Urumbil Thodu	5			Bad	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.221	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
1	Nil	0	0	0	Others(NIL)	0	Yes	NA

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	5.276	Water demand	13.17	Gap in water supply	7.894
Water treatment capacity	7.2	Water to be treated	13.17	Gap in water treatment	5.97
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	9650	Total households including slums	16648	Gap in households tap connections including slums	6998
Used Water					
Used water being treated	0	Used water generation	8.736	Gap in used water treatment	8.736
Used water being recycled	0	Used water to be recycled (20%)	1.747	Gap in used water recycling	1.747
Sewer connections provided (including coverage with septage management)	0	Total households	16648	Gap in household sewer connections/ coverage with septage management	16648