

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
ATTINGAL (M)



District

THIRUVANANTHAPURAM



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	SINI P	AEE		7025838631	aeelsgdamc@gmail.com
Mayor.Pre	Adv S Kumary	NA		9847788405	chairmanatl@gmail.com
Municipal.C/C.Ofc	Viswanadhan S	NA		9846842738	secretaryatl@gmail.com
Head,W.S/S.De	S VENKATESAPATH Y IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Dr Jestin Jose	NA		9446466368	thattingal@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	LSGD	SINI P	AEE		7025838631	aeelsgdamc@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	37382	Households (Census 2011)	9768	City area (sq. km.)	17
Wards in city	31	Slum settlements (No.)	10	Industries (No.)	10
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	44858	Households in 2021(no.)	11076
Population density	2639	Slum population in 2021	2310	Slum households 2021	570






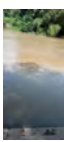



Future Projection

City population in 2025	48447	Households in 2025	11962	Slum households in 2025	616
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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	Govt Polytechnic Attingal	SHAJIL		9497591240	shajilanthru@gmail.com
2	Organization	Kerala water authority	M Satheesh Sarma		8547638356	aeewaatl@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Park	Kollampuzha Park	
2	Park	LMS Park	
3	Water Body	Kollampuzha Pond	
4	Water Body	Avanavancheri Pond	 
5	Water Body	Vamanapuram River	
6	Water Body	Valiyakunnu treatment 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	Vamanapuram River	2	7.4	No	NA
2	Pond	Kollampuzha Pond	1	2	Yes	1
3	Pond	Avanavancheri Pond	1	2	Yes	1.5

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Valiyakunnu 13 MLD	5	5	Vamanapuram River	Other(Sand filtration)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	8149	8149	4.0
2	Commercial Establishments	1170	NA	0.5
3	Industries	10	NA	0.200
4	Institutional Establishments	176	NA	0.25
5	Slums	25		.010

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4	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	4	Average per capita water supply in LPCD	121.199

Estimated Future Water Demand in 2025 (in MLD)

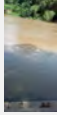


Residential/ Households including slums	7	Commercial establishments	1	Industries	1
Institutional establishments	1	Slums	0.01	Total	10
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?			NA

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	5
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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	Vamanapuram River	25			Good	No
2	Water Body	Kollampuzha Pond	1			Good	No
3	Water Body	Avanavancheri Pond	.5			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.694	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	4	Water demand	10	Gap in water supply	6
Water treatment capacity	5	Water to be treated	10	Gap in water treatment	5
Households with tap connections in slums	0	Total slum households	616	Gap in household tap connections	616
Households covered with Tap connections (City)	8149	Total households including slums	11962	Gap in households tap connections including slums	3813
Used Water					
Used water being treated	0	Used water generation	5.6	Gap in used water treatment	5.6
Used water being recycled	0	Used water to be recycled (20%)	1.12	Gap in used water recycling	1.12
Sewer connections provided (including coverage with septage management)	0	Total households	11962	Gap in household sewer connections/ coverage with septage management	11962