

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KAYAMKULAM (M)



District
ALAPPUZHA



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Jishi R	Assistant Engineer	04792445006	9895075249	aeelsgdkayamkulam@gmail.com
Mayor.Pre	Sasikala	NA	04792445006	9447976491	kylmsecretary@gmail.com
Municipal.C/C.Ofc	Dheeraj Mathew J J	NA	04792445006	8921290207	kylmsecretary@gmail.com
Head,W.S/S.De	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Dileep Kumar	NA	04792445006	9562052996	kylmsecretary@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	Sreeletha	Assistant Engineer	04792442409	8547638529	aekwakylm@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	68634	Households (Census 2011)	16947	City area (sq. km.)	29.71
Wards in city	44	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	82361	Households in 2021(no.)	20336
Population density	2772	Slum population in 2021	0	Slum households 2021	0





Future Projection

City population in 2025	88950	Households in 2025	21963	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	Keralawater authority	Sreeletha	04792442409	8547638529	aeqwakylm@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Malayankanal. Meenatheri bride to railway bridg	
2	Water Body	Mannukunnu bridge to meenatheri bridge	
3	Women Self Help Group	Kudumbasree Food Production	
4	Women Self Help Group	Natural Food Processing	

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	ACHANKOVIL	1	7.57	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 Pathiyur 12 MLD	5	5	ACHANKOVIL	Other(Manual)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4633	4889	1.85
2	Commercial Establishments	234	NA	0.5
3	Industries	3	NA	0.01
4	Slums	712		2.14
5	Institutional Establishments	19	NA	0.05

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.85	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	1.85	Average per capita water supply in LPCD	93.432

Estimated Future Water Demand in 2025 (in MLD)



Residential/ Households including slums	9	Commercial establishments	1	Industries	1
Institutional establishments	1	Slums	1	Total	12
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	Malyankanal	39		19 - 19	Bad	No
2	Water Body	Mannukunnu	15		2 - 2	Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.48	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	1.85	Water demand	12	Gap in water supply	10.15
Water treatment capacity	5	Water to be treated	12	Gap in water treatment	7
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4889	Total households including slums	21963	Gap in households tap connections including slums	17074
Used Water					
Used water being treated	0	Used water generation	7.2	Gap in used water treatment	7.2
Used water being recycled	0	Used water to be recycled (20%)	1.44	Gap in used water recycling	1.44
Sewer connections provided (including coverage with septage management)	0	Total households	21963	Gap in household sewer connections/ coverage with septage management	21963