

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KALAMASSERY (M)



District
ERNAKULAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	K JAYAKUMAR	ASSISTANT ENGINEER	484-2532026	9349892031	aelsgdkalamassery@gmail.com
Mayor.Pre	SEEMA KANNAN	NA	484-2532380	9349247121	chairpersonkalamassery@gmail.com
Municipal.C/C.Ofc	P R JAYAKUMAR	NA	484-2540170	9495376388	secretarykalamassery@gmail.com
Head,W.S/S.De	ANIL AUGUSTINE	NA	9895208488	9496033306	kwakalamassery@gmail.com
HOD/P.H.de	NAZEER	NA	484-2966695	9895166785	kalamasseryphc@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	Anil Augustine	Assistant Executive Engineer	9898208488	9496033306	kwakalamassery@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	70776	Households (Census 2011)	20576	City area (sq. km.)	27
Wards in city	42	Slum settlements (No.)	0	Industries (No.)	873
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	84931	Households in 2021(no.)	20971
Population density	3146	Slum population in 2021	0	Slum households 2021	0

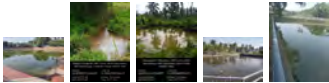

Future Projection

City population in 2025	91725	Households in 2025	22648	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	Engineering College	AISAT	Fr Denny Peringatt	04842540360	8089574241	principal@aisat.ac.in
2	Engineering College	School of Engineering CUSAT	George Mathew	04842556187	9447726194	principal_soe@cusat.ac.in

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	PONDS	
2	Park	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	Periyar aluva	3	19.5	Yes	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	Aluva	11	11	Periyar aluva	Other(Mechanical)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	14717	14717	8.2
2	Commercial Establishments	691	NA	1.2
3	Industries	11	NA	1.2
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	8.2	Water supply directly through tankers in MLD	0.2	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	8.399999999999999	Average per capita water supply in LPCD	137.575

Estimated Future Water Demand in 2025 (in MLD)



Residential/ Households including slums	17	Commercial establishments	2	Industries	2
Institutional establishments	1.2	Slums	0	Total	22.2
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	2
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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	Chakkarakulam	0.001		10.50214 - 76.33854	Bad	No
2	Water Body	Pond near Medical college	0.001		10.052601 - 76.358022	Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	6.72	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	8.399999999999999	Water demand	22.2	Gap in water supply	13.8
Water treatment capacity	11	Water to be treated	22.2	Gap in water treatment	11.2
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	14717	Total households including slums	22648	Gap in households tap connections including slums	7931
Used Water					
Used water being treated	0	Used water generation	13.6	Gap in used water treatment	13.6
Used water being recycled	0	Used water to be recycled (20%)	2.72	Gap in used water recycling	2.72
Sewer connections provided (including coverage with septage management)	0	Total households	22648	Gap in household sewer connections/ coverage with septage management	22648