

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
ALUVA



District
ERNAKULAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Suresh Kumar P S	Assistant Engineer	0484-2623755	9605003370	eealuvamc@gmail.com
Mayor.Pre	M O John	NA	0484-2623755	9446570770	aluvamunicipaloffice1@gmail.com
Municipal.C/C.Ofc	J Muhammed Shafi	NA	0484-2623755	9846073749	secretaryaluvamunicipality@gmail.com
Head,W.S/S.De	P S Pradeep	NA	0484-2626948	9496033300	eephaluvakwa@gmail.com
HOD/P.H.de	Prasanna Kumari K	NA	0484-2624040	9744841155	talukhospitalaluva@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	Pradeep Kumar K	Executive Engineer	04842626948	9496033300	eephaluvakwa@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	22428	Households (Census 2011)	5538	City area (sq. km.)	6.46
Wards in city	26	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	26914	Households in 2021(no.)	6645
Population density	4166	Slum population in 2021	0	Slum households 2021	0




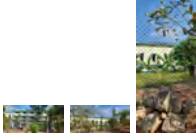
Future Projection

City population in 2025	29067	Households in 2025	7177	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	Pradeep Kumar K	04842626948	9496033300	eephaluvakwa@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Periyar	
2	Park	Aluva Municipal park	
3	Women Self Help Group	kudumbasree	
4	Sewage Treatment Plant/ Water Treatment Plant	Aluva Water 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	Periyar	1	8.61	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	Aluva	8.61	8.61	Periyar	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	5745	5641	5.66
2	Commercial Establishments	743	NA	2.94
3	Institutional Establishments	7	NA	0.01
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5.66	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	5.66	Average per capita water supply in LPCD	247.745

Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	6.66	Commercial establishments	3.0	Industries	0.02
Institutional establishments	.02	Slums	0	Total	9.7
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	Periyar	600000			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.528	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	5.66	Water demand	9.7	Gap in water supply	4.04
Water treatment capacity	8.61	Water to be treated	9.7	Gap in water treatment	1.09
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	5641	Total households including slums	7177	Gap in households tap connections including slums	1536
Used Water					
Used water being treated	0	Used water generation	5.328	Gap in used water treatment	5.328
Used water being recycled	0	Used water to be recycled (20%)	1.066	Gap in used water recycling	1.066
Sewer connections provided (including coverage with septage management)	0	Total households	7177	Gap in household sewer connections/ coverage with septage management	7177