

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
ANGAMALY (M)



District  
ERNAKULAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Lawrence N	Assistant Engineer	04712222242	9497662983	meneyattinkara@gmail.com
<b>Mayor.Pre</b>	REJI MATHEW chairman	NA	484-2452367	9249278234	mathewreji375@gmail.com
<b>Municipal.C/C.Ofc</b>	BEENA S KUMAR secretary	NA	484-2452367	8281396183	secretaryagly@gmail.com
<b>Head,W.S/S.De</b>	JOSE M P AEE WATER AUTHORITY	NA	484-2452725	8547638164	phsdangamaly@gmail.com
<b>HOD/P.H.de</b>	NASEEMA NAJEEB	NA	484-2455950	9446478043	thangamaly@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	JOSE M P	Assistant Executive Engineer	484-2452725	8547638164	phsdangamaly@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	33391	Households (Census 2011)	8245	City area (sq. km.)	28.24
Wards in city	30	Slum settlements (No.)	0	Industries (No.)	534
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	40069	Households in 2021(no.)	9894
Population density	1419	Slum population in 2021	0	Slum households 2021	0



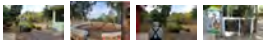

### Future Projection

City population in 2025	43275	Households in 2025	10685	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	JOSE M P AEE	484-2452725	8547638164	phsdangamaly@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	uwss to angamaly	
2	Water Body	mullassery thodu Chengal thodu manjali thodu	
3	Park	MUNICIPAL PARK	
4	Women Self Help Group	kudumbasree	

## 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	Kalady	1	5.6	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	UWSS to Angamaly Opposite Subtreasury road	5.6	5	Kalady	Other(flow meter)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4760	5401	4.7
2	Commercial Establishments	641	NA	0.894
3	Slums	0	0	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.7	Water supply directly through tankers in MLD	0.001	Water supply through tubewell & borewell in MLD	0.072
Treated water supply in MLD	0	Total water supply in MLD	4.773000000000001	Average per capita water supply in LPCD	214.866

### Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8.2	Commercial establishments	0.563	Industries	0.011
Institutional establishments	0.188	Slums	0	Total	8.962
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	Manjali thodu	20		10.203968 - 76.389087	Bad	No
2	Water Body	mullassery canal	12		10.195868 - 76.395696	Bad	No
3	Water Body	Chengal thodu	2		10.174033 - 76.405733	Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	NaN	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)	
<b>Water Supply</b>					
Water supplied to households	4.773000000000001	Water demand	8.962	Gap in water supply	4.189
Water treatment capacity	5.6	Water to be treated	8.962	Gap in water treatment	3.362
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	5401	Total households including slums	10685	Gap in households tap connections including slums	5284
<b>Used Water</b>					
Used water being treated	0	Used water generation	6.56	Gap in used water treatment	6.56
Used water being recycled	0	Used water to be recycled (20%)	1.312	Gap in used water recycling	1.312
Sewer connections provided (including coverage with septage management)	0	Total households	10685	Gap in household sewer connections/ coverage with septage management	10685