

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
MAVELIKKARA (M)



District  
ALAPPUZHA



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Nisha Sukumaran	Assistant Engineer	479-2302218	8086353144	mvkaemmc@gmail.com
<b>Mayor.Pre</b>	K V SreeKumar	NA	04792302218	9744292480	secretarymmc@gmail.com
<b>Municipal.C/C.Ofc</b>	S Narayanan	NA	04792302218	8848892340	secretarymmc@gmail.com
<b>Head,W.S/S.De</b>	Venkateshapathy IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Pramod	NA	04792303394	9446979961	dhmvkoff@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	Jolly kutty	Assistant Engineer		8547638526	kwaphmvka@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	27556	Households (Census 2011)	6804	City area (sq. km.)	12.65
Wards in city	28	Slum settlements (No.)	0	Industries (No.)	7
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	33067	Households in 2021(no.)	8165
Population density	2614	Slum population in 2021	0	Slum households 2021	0










### Future Projection

City population in 2025	35712	Households in 2025	8818	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	Jolly kutty		8547638526	kwaphmvka@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	AchanKovilaar	
2	Water Body	Kattukulam	
3	Water Body	Velloorkulam	
4	Park	Municipal Park Images 1	
5	Park	Municipal Park Images 2	
6	Women Self Help Group	Municipal Park Images 3	
7	Women Self Help Group	Kudumbasree 1	
8	Women Self Help Group	Kudumbasree 2	
9	Women Self Help Group	Kudumbasree 3	

## 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	AchanKovilaar	1	5	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	Mavelikkara KWA 4MLD	2	2	AchanKovilaar	Other(Manual)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4455	4455	1.2
2	Commercial Establishments	462	NA	.462
3	Industries	3	NA	.06
4	Institutional Establishments	45	NA	0.09
5	Slums	0	0	0

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

Piped water supply in MLD	1.2	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	1.2	Average per capita water supply in LPCD	66.509

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

Residential/ Households including slums	7	Commercial establishments	1	Industries	0.5
Institutional establishments	1	Slums	0.5	Total	9.5
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	4
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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	Kattukulam	0.002			Good	No
2	Water Body	Vellorkulam	0.018			Bad	No
3	Water Body	Kappukulam	.0003			Bad	No
4	Water Body	Theeruvikulam	0.021			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.96	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	1.2	Water demand	9.5	Gap in water supply	8.3
Water treatment capacity	2	Water to be treated	9.5	Gap in water treatment	7.5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4455	Total households including slums	8818	Gap in households tap connections including slums	4363
<b>Used Water</b>					
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	8818	Gap in household sewer connections/ coverage with septage management	8818