

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**MUKKAM**



District  
**KOZIKODE**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Krishnankutty P M	Assistant Engineer	04952297132	8547592571	aelsgdmukkam@gmail.com
<b>Mayor.Pre</b>	P T BABU	NA	04952297132	9495455914	mukkammunicipality@gmail.com
<b>Municipal.C/C.Ofc</b>	HAREESH N K	NA	04952297132	9961116374	mukkammunicipality@gmail.com
<b>Head,W.S/S.De</b>	U K SATHYAN	NA		9447316288	rwska@gmail.com
<b>HOD/P.H.de</b>	AJITH T	NA	04952297132	9447686081	mukkammunicipality@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
<b>1</b>	Kerala water Authority	U K Sathyan	Assistant Engineer		9447316288	rwska@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	40670	Households (Census 2011)	10042	City area (sq. km.)	31.28
Wards in city	33	Slum settlements (No.)	0	Industries (No.)	12
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	48804	Households in 2021(no.)	12050
Population density	1560	Slum population in 2021	0	Slum households 2021	0

### Future Projection






City population in 2025	52708	Households in 2025	13014	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	U K SATHYAN		9447316288	rws kwa@gmail.com

### Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	CHENNAMANGALORE MINI WATER SUPPLY SCHEME	
2	Water Body	KARNATICKADAVU DWSS	
3	Water Body	PUTHUKKOOOTH DWSS	
4	Water Body	PULIYAPARA PANACHINGAL DWSS	
5	Water Body	RAJIVGANDHI DHASHALAKSHAM COLONY DWSS	
6	Water Body	PANIYARKUNNU DWSS	
7	Water Body	KADAMKUNI DWSS	
8	Water Body	AYANIKUNNUMMAL DWSS	
9	Water Body	KOOMULLAMKANDI DWSS	
10	Water Body	MUTHERI DWSS	
11	Water Body	AATTUPURAM COLONY DWSS	
12	Water Body	KACHERI VAYANA DWSS	
13	Water Body	CHENNELERIKUNNU DWSS	

#	Type	Name	Uploaded image(s)
14	Park	BP MOIDEEN PARK,THEYYATHUMKADAVU	
15	Park	BP MOIDEEN PARK,THEYYATHUMKADAVU	
16	Park	BP MOIDEEN PARK,THEYYATHUMKADAVU	
17	Women Self Help Group	CHULLAKKARA MURATTUMMAL ROAD	
18	Women Self Help Group	CHULLAKKARA MURATTUMMAL ROAD	

## 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	IRUVAZHINHI RIVER,NELLIKKAPOYL	1	0.84	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
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No data available in table

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	900	900	0.547
2	Commercial Establishments	155	NA	0.155
3	Industries	0	NA	0
4	Institutional Establishments	0	NA	0
5	Slums	0	0	0

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

Piped water supply in MLD	0.547	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	0.547	Average per capita water supply in LPCD	150.069

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




Residential/ Households including slums	7.906	Commercial establishments	0.194	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	8.6
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	THAZHEKOTTUMMAL DWSS	0.005		11.32 - 75.98	Good	Yes
2	Water Body	VENGALAMPOYIL DWSS	0.000		11.320704 - 75.9677	Good	Yes
3	Water Body	PERUTHOTTATHL DWSS	0.002		11.320 - 75.96	Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.438	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	8645	Sewage generated in MLD	4630	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	0.547	Water demand	8.6	Gap in water supply	8.053
Water treatment capacity	0	Water to be treated	8.6	Gap in water treatment	8.6
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	900	Total households including slums	13014	Gap in households tap connections including slums	12114
<b>Used Water</b>					
Used water being treated	0	Used water generation	6.325	Gap in used water treatment	6.325
Used water being recycled	0	Used water to be recycled (20%)	1.265	Gap in used water recycling	1.265
Sewer connections provided (including coverage with septage management)	8645	Total households	13014	Gap in household sewer connections/ coverage with septage management	4369