

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KUNNAMKULAM (M)



District
THRISSUR



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Ushakumari P S	AEE	04885222221	9447801582	aekklmmncplty@gmail.com
Mayor.Pre	SEETHA RAVEENDRAN	NA	04885225711	9947335543	chairpersonkunnamkulam@gmail.com
Municipal.C/C.Ofc	T K SUJITH	NA	04885223403	9846012841	kunnamkulamsecretary@gmail.com
Head,W.S/S.De	Sangeetha M	NA	04885223347	8547638370	aekwakkm@gmail.com
HOD/P.H.de	Manikandan	NA	04885222233	9847513374	talukhospitalkkm@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	KWA	Sangeetha M	ASSISTANT ENGINEER		8547638370	aekwakkm@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	54071	Households (Census 2011)	13351	City area (sq. km.)	34.185
Wards in city	37	Slum settlements (No.)	0	Industries (No.)	160
Industrial clusters	2	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	64885	Households in 2021(no.)	16021
Population density	1898	Slum population in 2021	0	Slum households 2021	0




Future Projection

City population in 2025	70076	Households in 2025	17303	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	KWA	AE	04885223347	9496093629	aekwakk@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	CHATTUKULAM	
2	Park	CHILDRENS PARK KUNNAMKULAM	
3	Women Self Help Group	SUBIKSHA CANTEEN	

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	Pond	CHATTUKULAM	0	0	No	NA
2	Pond	KURUKKANPARA EAST QUARRY	1	.1	No	NA
3	Pond	KURURKKANPARA WEST QUARRY	0	0	No	NA
4	Well	PUBLIC WELLS	23	0.046	No	NA
5	River	WTP KOOTANAD	1	3.5	Yes	14
6	Borewell	BOREWELL	64	0.75	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	WTP KOOTTANAD	2.3	2.3	WTP KOOTANAD	Other(MANUAL)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	2303	2303	1.55
2	Commercial Establishments	164	NA	0.29
3	Institutional Establishments	2	NA	0.035
4	Industries	0	NA	0
5	Slums	0		0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.55	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0.75
Treated water supply in MLD	0	Total water supply in MLD	2.3	Average per capita water supply in LPCD	166.182

Estimated Future Water Demand in 2025 (in MLD)









Residential/ Households including slums	12.25	Commercial establishments	0.35	Industries	0.02
Institutional establishments	0.42	Slums	0	Total	13.04
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	Not implemented	No. of water tanks at religious places in your city	6
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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	CHERUVATHUR KULAM	484		10.649700 - 76.066118	Good	No
2	Water Body	MEEMBIKULAM	350		10.658925 - 76.083787	Good	No
3	Water Body	KUTTAMKULAM	809		10.663740 - 76.084114	Good	No
4	Water Body	KOTHAKULAM	1169		10.620263 - 76.063503	Good	No
5	Water Body	PUTHANKULAM	400		10.616329 - 76.063498	Good	No
6	Water Body	KURUKKANPARA EAST QUARRY	8093		10.635116 - 76.059497	Good	No
7	Water Body	KURUKKAN PARA WEST QUARRY	8093		10.637433 - 76.057526	Good	Yes
8	Water Body	KALAYAM KULAM	1011		10.658181 - 76.030352	Good	No
9	Water Body	MADHURAKULAM	2427		10.646585 - 76.070522	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.84	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	2.3	Water demand	13.04	Gap in water supply	10.74
Water treatment capacity	2.3	Water to be treated	13.04	Gap in water treatment	10.74
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	2303	Total households including slums	17303	Gap in households tap connections including slums	15000
Used Water					
Used water being treated	0	Used water generation	9.8	Gap in used water treatment	9.8
Used water being recycled	0	Used water to be recycled (20%)	1.96	Gap in used water recycling	1.96
Sewer connections provided (including coverage with septage management)	0	Total households	17303	Gap in household sewer connections/ coverage with septage management	17303