

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KOTTAKKAL



District
MALAPPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	ARUN VS	ASSISTANT ENGINEER	04832742221	9496680922	mekottakkal@gmail.com
Mayor.Pre	BUSHRA SHABEER	NA	04832742221	9961885555	bushrashabeer@gmail.com
Municipal.C/C.Ofc	SANDEEP KUMAR VS	NA	04832742221	9497702890	secretarykottakkal@gmail.com
Head,W.S/S.De	ARUN VS	NA	04832742221	9496680922	mekottakkal@gmail.com
HOD/P.H.de	KK HAMZA	NA	04832742221	9846817270	secretarykottakkal@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	Anand Kumar A	Assistant Engineer	04832962670	8281597967	aekwakottakkal@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	48342	Households (Census 2011)	11936	City area (sq. km.)	21
Wards in city	32	Slum settlements (No.)	0	Industries (No.)	31
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	58010	Households in 2021(no.)	14323
Population density	2762	Slum population in 2021	0	Slum households 2021	0







Future Projection

City population in 2025	62651	Households in 2025	15469	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	Anand Kumar A	04832962670	8281597967	aekwakottakkal@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Kakkathodu Canal	
2	Water Body	Najmul Huda canal	
3	Water Body	Panaikkarkundu Canal	
4	Park	Palathara Children's Park	
5	Park	Municipal Open Gym	
6	Water Body	Palathara public pond	

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	Kadalundi River	1	1.5	Yes	5

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Kadalundi	0.5	0.5	Kadalundi river	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	569	569	0.346
2	Commercial Establishments	0	NA	0
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	0.346	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	0.346	Average per capita water supply in LPCD	150.144

Estimated Future Water Demand in 2025 (in MLD)














Residential/ Households including slums	9.398	Commercial establishments	0.250	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	10.148
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	Kadalundi	0.15			Good	No
2	Water Body	kakkathodu Canal	0.0075			Good	No
3	Water Body	Villoor Canal	0.0108			Good	No
4	Community Well	Thokkampara Public well	0.000036			Good	No
5	Water Body	Bypass pond	0.0036			Good	No
6	Water Body	Najmul Huda Pond	0.00040			Bad	No
7	Water Body	Najmul Huda Canal	0.013			Bad	No
8	Water Body	Panikkarkundu canal	0.018			Bad	No
9	Water Body	Kakkathodu bypass canal	0.026			Bad	No
10	Water Body	Kottappadi pond	0.0095			Bad	No
11	Water Body	Udharanikulam Pond	0.00032			Bad	No
12	Water Body	Indianoor temple pond	0.00040			Bad	No
13	Water Body	Indianoor public pond	0.00050			Bad	No
14	Water Body	Palathara public pond	0.00031			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.277	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	0.346	Water demand	10.148	Gap in water supply	9.802
Water treatment capacity	0.5	Water to be treated	10.148	Gap in water treatment	9.648
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	569	Total households including slums	15469	Gap in households tap connections including slums	14900
Used Water					
Used water being treated	0	Used water generation	7.518	Gap in used water treatment	7.518
Used water being recycled	0	Used water to be recycled (20%)	1.504	Gap in used water recycling	1.504
Sewer connections provided (including coverage with septage management)	0	Total households	15469	Gap in household sewer connections/ coverage with septage management	15469