

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
OTTAPPALAM (M)



District
PALAKKAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	JAYAPRAKASH T	ASSISTANT ENGINEER	04662244349	9447114139	melsgdotp@gmail.com
Mayor.Pre	JANAKIDEVI K	NA	04662244349	9495651422	janakidevi.otp@gmail.com
Municipal.C/C.Ofc	PRADEEP AS	NA	04662244349	7907976624	secotplm1@gmail.com
Head,W.S/S.De	AJMAL KALADI	NA	04662244475	8547638319	kwaotp@gmail.com
HOD/P.H.de	NISHAD T G	NA	04662244480	8281593275	drnishadtg@yahoo.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	MIDHUN	ASSISTANT ENGINEER	04662244475	8547638320	aephstappalam@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	53792	Households (Census 2011)	13282	City area (sq. km.)	33
Wards in city	36	Slum settlements (No.)	26	Industries (No.)	300
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	64550	Households in 2021(no.)	15938
Population density	1956	Slum population in 2021	5695	Slum households 2021	1406



Future Projection

City population in 2025	69714	Households in 2025	17213	Slum households in 2025	1518
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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	MIDHUN	04662244475	8547638320	aephsottapalam@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	bharathapuzha	
2	Water Body	kizhakethodu	

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	BHARATHAPUZHA	1	7	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	KAYARAMPARA WATER TREATMENT PLANT	6.95	6.95	BHARATHAPUZHA	Other(MANUAL)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	9125	9834	5.9
2	Commercial Establishments	705	NA	1.05
3	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5.9	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	5.9	Average per capita water supply in LPCD	148.138

Estimated Future Water Demand in 2025 (in MLD)




Residential/ Households including slums	11.7	Commercial establishments	2	Industries	0.8
Institutional establishments	0	Slums	0	Total	14.5
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	9
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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	BHARATHAPUZHA	819		10.76761 - 76.37655	Good	Yes
2	Water Body	KANNIYAMPURAM THODU	29		10.77313 - 76.37118	Good	Yes
3	Water Body	KIZHAKKETHODU	26		10.77414 - 76.38324	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.72	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	5.9	Water demand	14.5	Gap in water supply	8.6
Water treatment capacity	6.95	Water to be treated	14.5	Gap in water treatment	7.55
Households with tap connections in slums	0	Total slum households	1518	Gap in household tap connections	1518
Households covered with Tap connections (City)	9834	Total households including slums	17213	Gap in households tap connections including slums	7379
Used Water					
Used water being treated	0	Used water generation	9.36	Gap in used water treatment	9.36
Used water being recycled	0	Used water to be recycled (20%)	1.872	Gap in used water recycling	1.872
Sewer connections provided (including coverage with septage management)	0	Total households	17213	Gap in household sewer connections/ coverage with septage management	17213