

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
MUVATTUPUZHA (M)



District
ERNAKULAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	MANSOOR T A	ASSISTANT ENGINEER		9809460839	mansoorta710@gmail.com
Mayor.Pre	P P ELDOSE	NA		9349189892	ppmvpa@gmail.com
Municipal.C/C.Ofc	M MOHAMMAD ARIF KHAN	NA		9496103378	muvattupuzhamunicipality@gmail.com
Head,W.S/S.De	BABURAJ	NA		9446979244	eephdnmpuzha@gmail.com
HOD/P.H.de	REKHA	NA	04852832360		suptthqhmuvattupuzha@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	Baburaj	Executive Engineer		9446979244	eephdnmpuzha@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	30397	Households (Census 2011)	7505	City area (sq. km.)	13.18
Wards in city	28	Slum settlements (No.)	0	Industries (No.)	30
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	36476	Households in 2021(no.)	9006
Population density	2768	Slum population in 2021	0	Slum households 2021	0






Future Projection

City population in 2025	39394	Households in 2025	9727	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	Engineering College	ILAHIA COLLEGE OF ENGINEERING	MUNEER		9446409050	ilahia@icet.ac.in
2	Engineering College	ILAHIA COLLEGE OF ENGINEERING	MUNEER		9446409050	ilahia@icet.ac.in

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	KALIYAR RIVER	
2	Water Body	muvattupuzha river	
3	Water Body	KALI YAR RIVER	
4	Water Body	muvattupuzha river	
5	Water Body	thodupuzha river	

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	MUVATTUPUZHA	1	12.5	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	WTP,MUVATTUPUZHA	10.50	10.50	MUVATTUPUZHA	Other(Mechanical)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Commercial Establishments	984	NA	4.40
2	Industries	0	NA	0
3	Institutional Establishments	36	NA	1.00
4	Slums	0	0	0
5	Residential / Households	6361	6361	2.60

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.6	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	2.6	Average per capita water supply in LPCD	100.924

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	5.3	Commercial establishments	4.82	Industries	0
Institutional establishments	1.30	Slums	0	Total	11.420000000000002
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	10
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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	MUVATTUPUZHAYAR	34410			Good	No
2	Water Body	KAALIYAAR	13040			Good	No
3	Water Body	THODUPUZHAYAR	26620			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	2.08	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	2.6	Water demand	11.42	Gap in water supply	8.82
Water treatment capacity	10.5	Water to be treated	11.42	Gap in water treatment	0.92
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	6361	Total households including slums	9727	Gap in households tap connections including slums	3366
Used Water					
Used water being treated	0	Used water generation	4.24	Gap in used water treatment	4.24
Used water being recycled	0	Used water to be recycled (20%)	0.848	Gap in used water recycling	0.848
Sewer connections provided (including coverage with septage management)	0	Total households	9727	Gap in household sewer connections/ coverage with septage management	9727