CITY WATER BALANCE PLAN

Basic Details

ULB Information

City
KOOTHATTUKULAM

District
ERNAKULAM

State
KERALA

Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	GRACIOUS M JOHN	ASSISTANT ENGINEER	04852252350	9746572715	lsgdsnkoothattukulam@gmail.com
Mayor.Pre	VIJAYA SIVAN	NA	04852252350	9497444897	vijayasivankklm@gmail.com
Municipal.C/C.Ofc	VRIJA NK	NA	04852252350	6282403062	kklmmunicipality@gmail.com
Head,W.S/S.De	Jayasree	NA	04842250666	8547638438	kwaaemuvattupuzha@gmail.com
HOD/P.H.de	MINI ANTONY	NA	04852253089	9495600203	mochckoothattukulam@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	Jayasree	AE	04842250666	8547638438	kwaaemuvattupuzha@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	17253	Households (Census 2011)	4260	City area (sq. km.)	24
Wards in city	25	Slum settlements (No.)	0	Industries (No.)	0
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	20704	Households in 2021(no.)	5112
Population density	863	Slum population in 2021	0	Slum households 2021	0

Future Projection

City population in 2025	22360	Households in 2025	5521	Slum households in 2025	0

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	JAYASREE	04842250666	8547638438	kwaaemuvattupuzha@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	pond	
2	Women Self Help Group	hotel	  

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	Arakuzha	1	4.25	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	Arakuzha	4.5	3.25	Arakuzha	Other(Rapid Sand Filter)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Slums	0	0	0
2	Residential / Households	1930	1570	1.1
3	Commercial Establishments	252	NA	.65
4	Institutional Establishments	4	NA	.30
5	Industries	0	NA	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.1	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	1.1	Average per capita water supply in LPCD	172.997

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	2.3	Commercial establishments	1.4	Industries	.8
Institutional establishments	.82	Slums	0	Total	5.32
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**	3

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	MVIP	2.65			Good	Yes
2	Water Body	UZHAVOOR THODE	3.17			Bad	No
3	Water Body	CHANTHA THODE	1.8			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	**Sewage generated in MLD**	0.88	**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

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	1.1	Water demand	5.32	Gap in water supply	4.22
Water treatment capacity	4.5	Water to be treated	5.32	Gap in water treatment	0.82
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1570	Total households including slums	5521	Gap in households tap connections including slums	3951
Used Water					
Used water being treated	0	Used water generation	1.84	Gap in used water treatment	1.84
Used water being recycled	0	Used water to be recycled (20%)	0.368	Gap in used water recycling	0.368
Sewer connections provided (including coverage with septage management)	0	Total households	5521	Gap in household sewer connections/ coverage with septage management	5521