

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KOOOTHUPARAMBA (M)



District
KANNUR



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Vinodan	Assistant Engineer	04902361246	9446738314	melsgdkoothuparamba@gmail.com
Mayor.Pre	Sujatha	NA	04902361246	9447502500	kpbamly@gmail.com
Municipal.C/C.Ofc	Sajithkumar	NA	04902361246	9496747350	kpbamly@gmail.com
Head,W.S/S.De	Ashwin Dev	NA	04902363407	9526915374	aewskpba@gmail.com
HOD/P.H.de	Jeeja	NA	04902364150	9447212790	ghkoothuparamba@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	Aswin Dev	Assistant Engineer	04902363407	9526915374	aewskpba@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	32405	Households (Census 2011)	8001	City area (sq. km.)	17
Wards in city	28	Slum settlements (No.)	0	Industries (No.)	183
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	38886	Households in 2021(no.)	9601
Population density	2287	Slum population in 2021	0	Slum households 2021	0

Future Projection

City population in 2025	41997	Households in 2025	10370	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	Aswin Dev	04902363407	9526915374	aewskpba@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
No image uplodod			

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	Dam	PAZASSI DAM RESERVOIR	1	13	Yes	20
2	Well	Palaparamba Colony	1	0.01	No	NA
3	Well	Pookode	1	0.01	No	NA
4	Well	Nirmalagiri	1	0.01	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 at Thattil Edakkanam	1.3	1.3	PAZASSI DAM RESERVOIR	Other(manual)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1275	1275	0.775
2	Commercial Establishments	222	NA	0.220
3	Slums	0	0	0
4	Industries	0	NA	0
5	Institutional Establishments	0	NA	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.775	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	0.775	Average per capita water supply in LPCD	150.085

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	6.300	Commercial establishments	0.278	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	7.077999999999999
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	0
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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	Chorakkulam	20			Bad	Yes
2	Water Body	Ambilad Vayal Kulam	22			Bad	No
3	Community Well	Palaparamba Colony	12			Good	No
4	Community Well	Pookode Colony	14			Good	No
5	Community Well	Nirmalagiri	12			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.62	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	0.775	Water demand	7.078	Gap in water supply	6.303
Water treatment capacity	1.3	Water to be treated	7.078	Gap in water treatment	5.778
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1275	Total households including slums	10370	Gap in households tap connections including slums	9095
Used Water					
Used water being treated	0	Used water generation	5.04	Gap in used water treatment	5.04
Used water being recycled	0	Used water to be recycled (20%)	1.008	Gap in used water recycling	1.008
Sewer connections provided (including coverage with septage management)	0	Total households	10370	Gap in household sewer connections/ coverage with septage management	10370