

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City

KOYILANDY MUNICIPALITY



District

KOZIKODE



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Aravindan N T	Assistant Engineer	04962620244	7907043909	aelsgdckdymly@gmail.com
Mayor.Pre	Sudha Kizhakkeppatt	NA	04962621913	8086415899	chairpersonkoyilandy@gmail.com
Municipal.C/C.Ofc	Suresh Kumar N	NA	04962620881	9447859661	secretaryqldy@gmail.com
Head,W.S/S.De	Suresh P K EE KWA Koyilandy	NA	04962932507	8547638060	vatakaraeekwa@gmail.com
HOD/P.H.de	Remesan K P	NA	04962620244	8113907577	kpremeshpba@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	Suresh P K	Executive Engineer	04962932507	8547638060	vatakaraeekwa@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	71929	Households (Census 2011)	17760	City area (sq. km.)	29.05
Wards in city	44	Slum settlements (No.)	3	Industries (No.)	486
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	86315	Households in 2021(no.)	21312
Population density	2971	Slum population in 2021	1990	Slum households 2021	491





Future Projection

City population in 2025	93220	Households in 2025	23017	Slum households in 2025	530
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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	Suresh P K	04962932507	8547638060	vatakaraeekwa@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Park	Childrens park	
2	Water Body	Anakkulam Kollam	
3	Women Self Help Group	Janakkeya Hotel Naveena Kudumbasree Koyilandy	
4	Water Body	Puliyanchery	

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	Well	Moozhikku Meethal	1	0.08	No	NA
2	Well	Komathukara	1	0.08	No	NA
3	Tube Well	Varakunnu	1	0.05	No	NA
4	Tube Well	Kakkrattukunnu	1	0.03	No	NA
5	Well	Kollam	1	0.02	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
No data available in table					

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	319	319	0.194
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	0.194	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	0.194	Average per capita water supply in LPCD	150.161

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	13.5	Commercial establishments	0.5	Industries	0.2
Institutional establishments	0.2	Slums	0	Total	14.399999999999999
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	24
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Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Community Well	Moozhikk Meethal	0.00002			Good	Yes
2	Community Well	Komath Kara	0.00002			Good	No
3	Community Well	Varakunnu	0			Good	No
4	Community Well	kakratt kunnu	0.00002			Good	No
5	Water Body	Puliyanchery	0.0016			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.155	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	0.194	Water demand	14.4	Gap in water supply	14.206
Water treatment capacity	0	Water to be treated	14.4	Gap in water treatment	14.4
Households with tap connections in slums	0	Total slum households	530	Gap in household tap connections	530
Households covered with Tap connections (City)	319	Total households including slums	23017	Gap in households tap connections including slums	22698
Used Water					
Used water being treated	0	Used water generation	10.8	Gap in used water treatment	10.8
Used water being recycled	0	Used water to be recycled (20%)	2.16	Gap in used water recycling	2.16
Sewer connections provided (including coverage with septage management)	0	Total households	23017	Gap in household sewer connections/ coverage with septage management	23017