

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PERUMBAVOOR (M)



District
ERNAKULAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	JAYA P S	ASSISTANT ENGINEER	04842822230	9946213996	axepbvr@gmail.com
Mayor.Pre	T M ZAKKIR HUSSAIN	NA	048425222729	9846013199	zakkirhussaintm@gmail.com
Municipal.C/C.Ofc	MEGHA MARY JOSHY	NA	04842522230	7306532829	perumbavoormunicipality@gmail.com
Head,W.S/S.De	PAULOSE P V	NA	04842523165	9947225728	aephspembavoor@gmail.com
HOD/P.H.de	SUBAIR K P	NA	04842522230	9895474397	zaziiz1@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	PAULOSE P V	ASSISTANT ENGINEER	04842523165	9947225728	aephspembavoor@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	28105	Households (Census 2011)	6940	City area (sq. km.)	30.605
Wards in city	27	Slum settlements (No.)	000	Industries (No.)	25
Industrial clusters	000	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	33726	Households in 2021(no.)	8327
Population density	1102	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	36424	Households in 2025	8994	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	Poulose P V	04842523165	9947225728	aephspembavoor@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	WTP	
2	Water Body	PERIYAR	

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	PERIYAAR/VALLAM	1	12	No	NA
2	River	PERIYAR	1	10	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	KANJIRAKKAD	10	10	PERIYAR	Other(NIL)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	3453	3453	2.17
2	Commercial Establishments	1192	NA	4
3	Industries	50	NA	.33
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.17	Water supply directly through tankers in MLD	.05	Water supply through tubewell & borewell in MLD	0.00
Treated water supply in MLD	0	Total water supply in MLD	2.2199999999999998	Average per capita water supply in LPCD	155.17

Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	3.0	Commercial establishments	4.5	Industries	1.0
Institutional establishments	2	Slums	1	Total	10.5
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	1
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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	RIVER	50			Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	000	Sewage generated in MLD	1.776	Sewage treated through STP in MLD	0.00

Household not connected to sewer network					
No. of households covered	000	Sewage generated in MLD	00	Sewage treated through STP in MLD	0.0

Septage Coverage

No. of households covered	000	Sewage generated in MLD	000	Sludge treated through FSSM in KLD	000	Grey water recycled in MLD	00
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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
1	NIL	0	0	0	Agriculture	0	No	NA

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	2.2199999999999998	Water demand	10.5	Gap in water supply	8.28
Water treatment capacity	10	Water to be treated	10.5	Gap in water treatment	0.5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	3453	Total households including slums	8994	Gap in households tap connections including slums	5541
Used Water					
Used water being treated	0	Used water generation	2.4	Gap in used water treatment	2.4
Used water being recycled	0	Used water to be recycled (20%)	0.48	Gap in used water recycling	0.48
Sewer connections provided (including coverage with septage management)	0	Total households	8994	Gap in household sewer connections/ coverage with septage management	8994