

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
GURUVAYOOR (M)



District
THRISSUR



State
KERALA



Existing AMRUT City
Yes

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	E Leela	Assistant Executive Engineer	04872555656	9497623739	meguruvayur@gmail.com
Mayor.Pre	M Krishnadas	NA	04872555656	7025636773	guruvayurchairman2012@gmail.com
Municipal.C/C.Ofc	P S Shibu	NA	04872555656	9447900282	guruvayursecretary@gmail.com
Head,W.S/S.De	S Venkiteshapathy IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	K Sreekumar	NA		9744064048	guruvayursecretary@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	Vasudevan	Assistant Executive Engineer	04872556461	8547638367	aekkwagvr@gmail.com

City profile as per FY 2021-22

City population(Census 2011)	70012	Households (Census 2011)	17287	City area (sq. km.)	30
Wards in city	43	Slum settlements (No.)	0	Industries (No.)	315
Industrial clusters	3	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	84014	Households in 2021(no.)	20744
Population density	2800	Slum population in 2021	0	Slum households 2021	0




















Future Projection




City population in 2025	90735	Households in 2025	22404	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	Engineering College	Government Engineering College Thrissur	P P Sivan	04872334144	9809631256	ppsivan@yahoo.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Chakkamkandam Back Water	
2	Water Body	Valiya Thodu	
3	Park	Choolppuram Park	
4	Water Body	Kottappady Well	
5	Water Body	Iringappuram Well	
6	Water Body	Ward 4 Well	
7	Water Body	Kottappady Registrar Office Well	
8	Water Body	Manigramam Vanneri Pond	
9	Water Body	Mammiyur Junction Well	
10	Water Body	Guruvayur Dewaswom Pond	
11	Water Body	Kottappadi Pallichira Pond	
12	Water Body	Ayyappan Kulam Pond	
13	Sewage Treatment Plant/ Water Treatment Plant	Water Treatment Plant at Kottappadi	
14	Sewage Treatment Plant/ Water Treatment Plant	STP at Chakkamkandam	
15	Women Self Help Group	Thejas Ward 30	
16	Women Self Help Group	Vrindavan Ward 6	
17	Women Self Help Group	Thejs Ward 30	
18	Water Body	Ward 8 Pond	
19	Water Body	Ward 8 Pond 2	

#	Type	Name	Uploaded image(s)
20	Water Body	Ward 8 Pond	
21	Water Body	Ward 8 Pond 2	
22	Water Body	Ward 8 well 3	

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	Karuvannur River	1	8	Yes	40
2	River	Karuvannur River	1	15	Yes	40
3	Borewell	Chowallurpady	3	2.5	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	Karuvannur Vellani	8	6.5	Karuvannur River, Karuvannur River	Other(No Automatic Monitoring)
2	Kottappadi Guruvayur	15	0	Karuvannur River, Karuvannur River	Other(Manual Only)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1693	1693	1.5
2	Commercial Establishments	331	NA	1
3	Slums	0	0	0
4	Institutional Establishments	0	NA	0
5	Industries	0	NA	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.5	Water supply directly through tankers in MLD	2.5	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	4	Average per capita water supply in LPCD	240.5

Estimated Future Water Demand in 2025 (in MLD)




Residential/ Households including slums	15.9	Commercial establishments	7	Industries	3
Institutional establishments	3	Slums	0	Total	28.9
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	15
---	-----	--------	-------------	---	----

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Chakkamkandam	186		10.572557 - 76.043915	Bad	No
2	Water Body	Valiya Thodu	3		10.598573 - 76.036640	Bad	Yes
3	Water Body	Kochin Fontier Thodu	3		10.601908 - 76.063525	Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.2	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
1	Chakkamkandam	3	0.1	0	Agriculture	0	Yes	Activated Sludge Process

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	4	Water demand	28.9	Gap in water supply	24.9
Water treatment capacity	23	Water to be treated	28.9	Gap in water treatment	5.9
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1693	Total households including slums	22404	Gap in households tap connections including slums	20711
Used Water					
Used water being treated	0	Used water generation	12.72	Gap in used water treatment	12.72
Used water being recycled	0	Used water to be recycled (20%)	2.544	Gap in used water recycling	2.544
Sewer connections provided (including coverage with septage management)	0	Total households	22404	Gap in household sewer connections/ coverage with septage management	22404