

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
VALANCHERRY



District
MALAPPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Sojan MP	Assistant engineer	04942644013	9447812888	aelsgdvalanchery1@gmail.com
Mayor.Pre	Ashraf Ambalathingal	NA	04942644325	9946486201	valancherymunicipality@gmail.com
Municipal.C/C.Ofc	Biju Francis	NA	04942644325	9947731533	aekwakottakkal@gmail.com
Head,W.S/S.De	Anandkumar	NA	04832742670	8281597967	valancherymunicipality@gmail.com
HOD/P.H.de	Anupama	NA		9495309864	mophcvalanchery@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	Anand Kumar	ASSISTANT ENGINEER	04832742670	8281597967	aekwakottakkal@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	44437	Households (Census 2011)	10972	City area (sq. km.)	21.9
Wards in city	33	Slum settlements (No.)	0	Industries (No.)	3
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	53324	Households in 2021(no.)	13166
Population density	2435	Slum population in 2021	0	Slum households 2021	0




Future Projection

City population in 2025	57590	Households in 2025	14220	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	Anand Kumar	04832742670	8281597967	aekwakottakkal@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Kattattikulam	
2	Water Body	Panankayikulam	
3	Women Self Help Group	Kudumbasree	

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	THOOTHAPPUZHA	1	1	Yes	6.5

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	Commercial Establishments	69	NA	0.069
2	Residential / Households	1171	1240	0.711
3	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.711	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0.12
Treated water supply in MLD	0	Total water supply in MLD	0.831	Average per capita water supply in LPCD	141.577

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8.639	Commercial establishments	0.086	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	9.225
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	25
---	-----	--------	-------------	---	----

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Thamarakkulam	0.0015			Bad	No
2	Water Body	Thaikkad Kulam	0.0010			Bad	No
3	Water Body	Kaliyala	0.0010			Bad	No
4	Water Body	Anthimahakalan kulam	0.0010			Bad	No
5	Community Well	thaniyappankunn	0.00002			Bad	No
6	Community Well	changanamkad	0.00002			Bad	No
7	Community Well	kakkatupara	0.00002			Bad	No
8	Community Well	Idiyad	0.00002			Bad	No
9	Community Well	Thonikkal	0.00002			Bad	No
10	Water Body	panankayikulam	0.0001			Bad	No
11	Water Body	valiyakulam	0.0001			Bad	No
12	Water Body	kammuttikkulam	0.0001			Bad	No
13	Community Well	vaikkathoor	0.00002			Bad	No
14	Community Well	vattappara	.00002			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.665	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	0.831	Water demand	9.225	Gap in water supply	8.394
Water treatment capacity	0	Water to be treated	9.225	Gap in water treatment	9.225
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1240	Total households including slums	14220	Gap in households tap connections including slums	12980
Used Water					
Used water being treated	0	Used water generation	6.911	Gap in used water treatment	6.911
Used water being recycled	0	Used water to be recycled (20%)	1.382	Gap in used water recycling	1.382
Sewer connections provided (including coverage with septage management)	0	Total households	14220	Gap in household sewer connections/ coverage with septage management	14220