

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
VADAKARA (M)



District
KOZIKODE



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	ANAGH T P	Assistant Engineer	04962512378	9037883141	aeelsgdvmc@gmail.com
Mayor.Pre	Bindu K P	NA	04962513315	9446665757	secretaryvatakara@gmail.com
Municipal.C/C.Ofc	Manohar K	NA	04962512378	9446733547	secretaryvatakara@gmail.com
Head,W.S/S.De	Suresh P K Executive Engineer KWA PH Division Vatakara	NA	04962932507	8547638060	vatakaraeekwa@gmail.com
HOD/P.H.de	Dr Sunitha S	NA	04962952122	8592079044	gfdvatakara@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	Raveendran T	Assistant Engineer	04962932507	8547638060	travikwa@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	80356	Households (Census 2011)	19841	City area (sq. km.)	23
Wards in city	47	Slum settlements (No.)	0	Industries (No.)	224
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	96427	Households in 2021(no.)	23809
Population density	4192	Slum population in 2021	0	Slum households 2021	0





Future Projection

City population in 2025	104141	Households in 2025	25714	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	Raveendran T	04962512722	8547638060	travikwa@gmail.com
2	Engineering College	Maniyoor Engineering College	O A Joseph	04962536125	9400477225	principal@cev.ac.in

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Park	Municipal Park	
2	Water Body	Jubili Pond	
3	Water Body	Karimbana Thode Kottakulam	
4	Water Body	Avithode	

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	Kuttiyadi River	1	11	Yes	22
2	River	Mahi River Vishnumangalam	1	1	Yes	24

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Velam Kappumala	10	10	Kuttiyadi River	Other(Rapid Sand Filter)
2	Purameri	1	0.5	Mahi River Vishnumangalam	Other(Rapid Sand Filter)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	11123	12453	6.757
2	Commercial Establishments	1256	NA	1.256
3	Industries	6	NA	0.120
4	Institutional Establishments	68	NA	0.136
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	6.757	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	6.757	Average per capita water supply in LPCD	133.975

Estimated Future Water Demand in 2025 (in MLD)




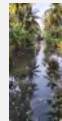

Residential/ Households including slums	15.621	Commercial establishments	1.570	Industries	0.150
Institutional establishments	0.170	Slums	0	Total	17.511
Are you going to met the 100% future demand through subsurface water source?	Yes		How much future demand in MLD will be met through subsurface water 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
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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	Jubilee Kulam	205		11.6010 - 75.5850	Good	No
2	Water Body	Kottakulam	1285		11.5981 - 75.5857	Good	No
3	Water Body	karimbana Thode	8330		11.5859 - 75.5936	Bad	Yes
4	Water Body	Avithode	7077		11.6042 - 75.5772	Bad	No
5	Water Body	Kanoli thode	41500		11.5879 - 75.5846	Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	5.406	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
1	Narayananagaram	.1	.1	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	6.757	Water demand	17.511	Gap in water supply	10.754
Water treatment capacity	11	Water to be treated	17.511	Gap in water treatment	6.511
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	12453	Total households including slums	25714	Gap in households tap connections including slums	13261
Used Water					
Used water being treated	0	Used water generation	12.497	Gap in used water treatment	12.497
Used water being recycled	0	Used water to be recycled (20%)	2.499	Gap in used water recycling	2.499
Sewer connections provided (including coverage with septage management)	0	Total households	25714	Gap in household sewer connections/ coverage with septage management	25714