CITY WATER BALANCE PLAN

Basic Details

ULB Information

City
ANTHOOR

District
KANNUR

State
KERALA

Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	SUNILKUMAR P	ASSISTANT ENGINEER		9562426038	meandrmlty@gmai.com
Mayor.Pre	MUKUNDAN P	NA		7907465692	anthoormunicpality@gmail.com
Municipal.C/C.Ofc	ANEESH P A	NA		9400811158	anthoormunicipality@gmail.com
Head,W.S/S.De	SURAJA NAIR	NA		8547638301	eewsdntpba@gmai.com
HOD/P.H.de	VIDUN VINOD T	NA		9446590149	vidunvinod@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 ATHOURITY	SURAJA NAIR	EXECUTIVE ENGINEER		8547638301	eewsdntpba@gmai.com

City profile as per FY 2020-21

City population(Census 2011)	28218	**Households (Census 2011)**	6967	**City area (sq. km.)**	24.17
Wards in city	28	**Slum settlements (No.)**	0	**Industries (No.)**	186
Industrial clusters	1	**Population survey conducted in the last five years ?**	No	**Survey year**	NA
Survey city population	NA	**City population in 2021**	33862	**Households in 2021(no.)**	8361
Population density	1401	**Slum population in 2021**	0	**Slum households 2021**	0

Future Projection

City population in 2025	36571	**Households in 2025**	9030	**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	V O REJINI	PRINCIPAL		9400006415	principal@geck.ac.in
2	Experts	Smt. Suraja nair	EXECUTIVE ENGINEER		8547638301	eewsdntpba@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	VELLIIKKIL PUZHA	
2	Park	VISMAYA PARK PARASSINIKADAVU	
3	Sewage Treatment Plant/ Water Treatment Plant	NIFT DARMASALA	
4	Women Self Help Group	APPAREL PARK PALIYATH VALAPPU	

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	Dam	PAZHASSI	1	93	Yes	60

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	PERUVALATHUPARAMBA 93 MLD	2.14	2.14	PAZHASSI	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Commercial Establishments	100	NA	0.100
2	Institutional Establishments	25	NA	0.050
3	Residential / Households	2465	2590	1.497
4	Slums	0	0	0
5	Industries	0	NA	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.497	**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**	1.497	**Average per capita water supply in LPCD**	142.714

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	5.486	**Commercial establishments**	0.125	**Industries**	0.250
Institutional establishments	0.063	**Slums**	0	**Total**	5.9239999999999995
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**	5

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Kunjukulalm POND	0.0145			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	**Sewage generated in MLD**	1.198	**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	5200	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	1.497	Water demand	5.924	Gap in water supply	4.427
Water treatment capacity	2.14	Water to be treated	5.924	Gap in water treatment	3.784
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	2590	Total households including slums	9030	Gap in households tap connections including slums	6440
Used Water					
Used water being treated	0	Used water generation	4.389	Gap in used water treatment	4.389
Used water being recycled	0	Used water to be recycled (20%)	0.878	Gap in used water recycling	0.878
Sewer connections provided (including coverage with septage management)	5200	Total households	9030	Gap in household sewer connections/ coverage with septage management	3830