CITY WATER BALANCE PLAN

Basic Details

ULB Information

City
KANNUR (M)

District
KANNUR

State
KERALA

Existing AMRUT City
Yes

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	BIJU P V	Executive Engineer	0497-2700141	9400700185	selsgdknrcorp@gmail.com
Mayor.Pre	Adv T O MOHANAN	NA	0497-2700141	9447030403	kannurmunicipalcorporation@gmail.com
Municipal.C/C.Offc	SAJU DAVID	NA	0497-2700141	9847214105	kannurmunicipalcorporation@gmail.com
Head,W.S/S.De	JAYAPRAKASH CHONARAYIL	NA		8547638025	jayaprakashc99@gmail.com
HOD/P.H.de	Rakesh Paleeri Vettil	NA	0497-2700141	9495458827	kannurmunicipalcorporation@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	Jayaprakash Chonarayil	Superintending Engineer		8547638025	jayaprakashc99@gmail.com

City profile as per FY 2021-22

City population(Census 2011)	232486	**Households (Census 2011)**	61883	**City area (sq. km.)**	79
Wards in city	55	**Slum settlements (No.)**	0	**Industries (No.)**	5513
Industrial clusters	5	**Population survey conducted in the last five years ?**	No	**Survey year**	NA
Survey city population	NA	**City population in 2021**	248514	**Households in 2021(no.)**	112000
Population density	3146	**Slum population in 2021**	0	**Slum households 2021**	0

Future Projection

City population in 2025	254926	**Households in 2025**	114935	**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	Govt College of Engineering Kannur	Dr Rajesh K N		8547004911	knrajesh74@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Park	SN PARK	

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 Dam	4	25	Yes	15
2	River	Thalassery	1	5	Yes	10
3	River	Valapattanam	2	4	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	30 MLD WTP at VELIYAMBRA	30	30	Pazhassi Dam	Other(Conventional)
2	90 MLD WTP at Peruvalathu paramba	6	6	Valapattanam	Other(Lamilla Clarifier)
3	46 MLD WTP at Burnessary	5	5	Thalassery	Other(conventional)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	35833	35833	11.932
2	Commercial Establishments	4347	NA	4.347
3	Industries	86	NA	1.720
4	Institutional Establishments	1713	NA	3.426
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	11.932	**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**	11.932	**Average per capita water supply in LPCD**	149.995

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	38.239	**Commercial establishments**	5.434	**Industries**	2.150
Institutional establishments	4.283	**Slums**	0	**Total**	50.105999999999995
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**	33

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Kakkad River	0.434			Bad	No
2	Water Body	Kanam puzha River	0.130			Bad	No
3	Water Body	Anjarakandi River	0.072			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	**Sewage generated in MLD**	9.546	**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	Padannapalam STP	1	1	0	Others(Nil)	0	No	NA
2	Chellora FSTP	0.100	0.100	0	Others(Nil)	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	11.932	Water demand	50.106	Gap in water supply	38.174
Water treatment capacity	41	Water to be treated	50.106	Gap in water treatment	9.106
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	35833	Total households including slums	114935	Gap in households tap connections including slums	79102
Used Water					
Used water being treated	0	Used water generation	30.591	Gap in used water treatment	30.591
Used water being recycled	0	Used water to be recycled (20%)	6.118	Gap in used water recycling	6.118
Sewer connections provided (including coverage with septage management)	0	Total households	114935	Gap in household sewer connections/ coverage with septage management	114935