

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KANHANGAD (M)



District
KASARAGOD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	ARUL P	HEALTH SUPERVISOR	04672204530	9495296743	arulpulikkambath@gmail.com
Mayor.Pre	SUJATHA K V	NA	04672204530	9496421293	knhdmlty@gmail.com
Municipal.C/C.Ofc	ROY MATHEW	NA	04672204530	9495428591	knhdmlty@gmail.com
Head,W.S/S.De	SUDEEP K	NA		8547001230	kwaksd14@gmail.com
HOD/P.H.de	DR PRAKASH K V	NA		9744000208	knghospital@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	WATER AUTHORITY	SUDEEP K	E E		8547001230	kwaksd14@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	73536	Households (Census 2011)	18157	City area (sq. km.)	39.54
Wards in city	43	Slum settlements (No.)	0	Industries (No.)	256
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	88243	Households in 2021(no.)	21788
Population density	2232	Slum population in 2021	0	Slum households 2021	0

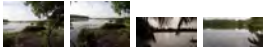



Future Projection

City population in 2025	95302	Households in 2025	23531	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	SUDEEP K	E E		8547001230	kwaksd14@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Arayi River	
2	Sewage Treatment Plant/ Water Treatment Plant	STP fish market	
3	Park	PARK	
4	Women Self Help Group	NUTRIMIX (amruthampodi)	

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	Well	KUSHAL NAGAR	1	0.24	No	NA
2	Borewell	MELANGOT	1	0.12	No	NA
3	Well	MUKKUNDU AMBALATHUKARA	1	0.82	Yes	10

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	Residential / Households	1352	1617	0.821
2	Commercial Establishments	259	NA	0.259
3	Industries	1	NA	0.020
4	Institutional Establishments	5	NA	0.010
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.821	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	0.821	Average per capita water supply in LPCD	125.366

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	14.295	Commercial establishments	0.324	Industries	0.025
Institutional establishments	0.013	Slums	0	Total	14.657
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	10
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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	ARAYI RIVER	5			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.657	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
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	0.821	Water demand	14.657	Gap in water supply	13.836
Water treatment capacity	0	Water to be treated	14.657	Gap in water treatment	14.657
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1617	Total households including slums	23531	Gap in households tap connections including slums	21914
Used Water					
Used water being treated	0	Used water generation	11.436	Gap in used water treatment	11.436
Used water being recycled	0	Used water to be recycled (20%)	2.287	Gap in used water recycling	2.287
Sewer connections provided (including coverage with septage management)	0	Total households	23531	Gap in household sewer connections/ coverage with septage management	23531