

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KATTAPPANA



District
IDUKKI



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	LIJIN RAJEEV	ASSISTANT ENGINEER	04868272235	9496811511	ktpnamunicipality@gmail.com
Mayor.Pre	Beena Joby	NA	04868272235	8111870329	munsecktpna@gmail.com
Municipal.C/C.Ofc	S Jayakumar	NA	04868272235	9747147867	munsecktpna@gmail.com
Head,W.S/S.De	Venkateshapathy IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Ajithkumar NK	NA	04868274662	8943369419	munsecktpna@gmail.com

Parastatal Agency

Any parastatal agency engaged? : **Yes**

No. Of Parastatal Agency : **2**

#	Organization name	Nodal officer name	Designation	Landline no.	Mobile no.	E-mail ID
1	kerala Water Authority	VarmaPrasad V M	Assistant Engineer	04868234911	8547638432	aendkwa@gmail.com
2	LID and EW	Lijin Rajeev	Assistant Engineer	04868272235	9496811511	ktpnamunicipality@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	42646	Households (Census 2011)	10419	City area (sq. km.)	52.77
Wards in city	34	Slum settlements (No.)	0	Industries (No.)	2
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	51175	Households in 2021(no.)	12636
Population density	970	Slum population in 2021	0	Slum households 2021	0




Future Projection

City population in 2025	55269	Households in 2025	13647	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	VarmaPrasad V M	04868234911	8547638432	aendkmkwa@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Kattappana River	
2	Water Body	Kanakkalipady DWS	
3	Water Body	KSRTC DWS	

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	Borewell	VALIYAKANDOM	1	0.2	No	NA
2	Borewell	KATTAPPANA	1	.1	No	NA
3	Well	KADAMAKUZH	1	.025	No	NA
4	Well	Mullasherickalpady ward 1	1	.014	No	NA
5	Well	KSRTC Junction ward 8	1	.014	No	NA
6	Well	Vazhavara ward 1	1	.014	No	NA
7	Well	IHDP colony	1	.014	No	NA
8	Well	Kadaplackalpady ward 1	1	.014	No	NA
9	Well	Nirmalacity ward 1 and 34	1	.014	No	NA
10	Well	Telephone Exchange ward 9	1	.014	No	NA
11	Well	Chembakappara ward 2 and 8	1	.019	No	NA
12	Well	Municipal Office ground	1	.016	No	NA
13	Well	Njalipparambilpady ward 19	1	.014	No	NA
14	Well	Mali DWP ward 19	1	.014	No	NA
15	Well	Kalyanathandu Kulam ward32	1	.025	No	NA
16	Well	Naduthozhukapadi ward 21	1	.014	No	NA
17	Well	Kanakkalipady DWP Ward33	1	.015	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
No data available in table					

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Bulk Connection (KATTAPPANA)	1	787	.3
2	Bulk Connection (KADAMAKUZH)	1	43	.025
3	Residential / Households	844	1180	0.521
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.846	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	.54
Treated water supply in MLD	0	Total water supply in MLD	1.3860000000000001	Average per capita water supply in LPCD	103.925

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8.5	Commercial establishments	1.0	Industries	1.0
Institutional establishments	0.5	Slums	0	Total	11
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	
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Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Community Well	KATTAPPANA	12			Good	Yes
2	Water Body	KADAMAKUZHY	5			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.109	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	1.3860000000000001	Water demand	11	Gap in water supply	9.614
Water treatment capacity	0	Water to be treated	11	Gap in water treatment	11
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	2010	Total households including slums	13647	Gap in households tap connections including slums	11637
Used Water					
Used water being treated	0	Used water generation	6.8	Gap in used water treatment	6.8
Used water being recycled	0	Used water to be recycled (20%)	1.36	Gap in used water recycling	1.36
Sewer connections provided (including coverage with septage management)	0	Total households	13647	Gap in household sewer connections/ coverage with septage management	13647