

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
KALPETTA (M)



District
WAYANAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Biju VG	Assistant Engineer	04936202349	9846855829	mekalpetta@gmail.com
Mayor.Pre	Keyamthodi Mujeeb	NA	04936202349	9744123340	kalpettamunicipality@gmail.com
Municipal.C/C.Ofc	KG Raveendran	NA	04936202349	9496345075	kalpettamunicipality@gmail.com
Head,W.S/S.De	Nazar T	NA	04936202594	8547638519	
HOD/P.H.de	Sathyan K	NA	04936202349	8547249175	kalpettamunicipality@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	Nazar T	AXE	04936202594	8547638519	kwaphdsby@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	31580	Households (Census 2011)	7798	City area (sq. km.)	40.7
Wards in city	28	Slum settlements (No.)	0	Industries (No.)	1
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	33964	Households in 2021(no.)	8386
Population density	834	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	35156	Households in 2025	8680	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	Organization	KWA	NASAR T	04936202594	8547638519	kwaphdsby@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	ambilery thodu	
2	Water Body	vellaramkunnu pond	

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	karappuzha dam	1	10	Yes	15

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Swargamkunnu 10 MLD WTP	4.3	4.3	karappuzha dam	Other(sand filter)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	3640	4656	2.211
2	Commercial Establishments	990	NA	0.990
3	Industries	3	NA	0.060
4	Institutional Establishments	23	NA	0.046
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.211	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	2.211	Average per capita water supply in LPCD	117.252

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	5.273	Commercial establishments	1.238	Industries	0.075
Institutional establishments	0.058	Slums	0	Total	6.643999999999999
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	0
---	-----	--------	-------------	---	---

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	karappuzha dam	8.55			Good	Yes
2	Community Well	public well near PWD office road	.01			Good	No
3	Community Well	kuttikkunnu public well	.1			Good	No
4	Community Well	nedunilam public well	.1			Good	No
5	Community Well	puthoorvayal colony	.1			Good	No
6	Community Well	narikkundu colony	.1			Good	No
7	Community Well	kottanchira colony	.1			Good	No
8	Community Well	sooryambam colony	.1			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.769	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
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	2.211	Water demand	6.644	Gap in water supply	4.433
Water treatment capacity	4.3	Water to be treated	6.644	Gap in water treatment	2.344
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4656	Total households including slums	8680	Gap in households tap connections including slums	4024
Used Water					
Used water being treated	0	Used water generation	4.218	Gap in used water treatment	4.218
Used water being recycled	0	Used water to be recycled (20%)	0.844	Gap in used water recycling	0.844
Sewer connections provided (including coverage with septage management)	0	Total households	8680	Gap in household sewer connections/ coverage with septage management	8680