CITY WATER BALANCE PLAN

Basic Details

ULB Information

City
SULTAN BATHERY

District
WAYANAD

State
KERALA

Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	MUNAVAR K	MUNICIPAL ENGINEER	04936-220240	9961621516	aelsgdsby@gmail.com
Mayor.Pre	T K RAMESH	NA	04936-220240	9847340222	batherymunicipality@gmail.com
Municipal.C/C.Ofc	ALI ASUHAR N K	NA	04936-220240	9946662739	batherymunicipality@gmail.com
Head,W.S/S.De	M MANOJ EXECUTIVE ENGINEER KWA	NA		8547638058	kwaphdsby@gmail.com
HOD/P.H.de	SANTHOSH KUMAR PS	NA		9961597685	batherymunicipality@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	MANOJ M	EXECUTIVE ENGINEER		8547638058	kwaphdsby@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	45417	**Households (Census 2011)**	11214	**City area (sq. km.)**	103.24
Wards in city	35	**Slum settlements (No.)**	0	**Industries (No.)**	0
Industrial clusters	0	**Population survey conducted in the last five years ?**	No	**Survey year**	NA
Survey city population	NA	**City population in 2021**	54500	**Households in 2021(no.)**	13457
Population density	528	**Slum population in 2021**	0	**Slum households 2021**	0

Future Projection

City population in 2025	58860	**Households in 2025**	14533	**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	KERALA WATER AUTHORITY	MANOJ M EXECUTIVE ENGINEER		8547638058	kwaphdsby@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Manichira	
2	Water Body	Kadamanchira	
3	Water Body	Veettikkuuti Forest 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	River	MUTHANGA RIVER AT MUTHANGA	1	5	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	1265	1452	0.768
2	Commercial Establishments	180	NA	0.180
3	Institutional Establishments	7	NA	0.014
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.768	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	0.768	Average per capita water supply in LPCD	130.599

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8.829	Commercial establishments	0.225	Industries	0.250
Institutional establishments	0.018	Slums	0	Total	9.322000000000001
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**	3

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Manichira	0.2		11.650941 - 76.249282	Good	No
2	Water Body	Veettikkutti Forest Pond	0.1		11.707317 - 76.249282	Good	No
3	Water Body	Kadamanchira	0.3		11.686605 - 76.257688	Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	**Sewage generated in MLD**	0.614	**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	0.768	Water demand	9.322	Gap in water supply	8.554
Water treatment capacity	0	Water to be treated	9.322	Gap in water treatment	9.322
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1452	Total households including slums	14533	Gap in households tap connections including slums	13081
Used Water					
Used water being treated	0	Used water generation	7.063	Gap in used water treatment	7.063
Used water being recycled	0	Used water to be recycled (20%)	1.413	Gap in used water recycling	1.413
Sewer connections provided (including coverage with septage management)	0	Total households	14533	Gap in household sewer connections/ coverage with septage management	14533