

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
KASARAGOD



District  
KASARAGOD



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	UPENDRAN V V	ASSISTANT ENGINEER LSGD ENGINEERING WING		9446659330	meksdkmc@gmail.com
<b>Mayor.Pre</b>	Adv V M MUNNER	NA		9895490498	kasaragodmunicipality@gmail.com
<b>Municipal.C/C.Ofc</b>	BIJU S	NA		9447348363	kasaragodmunicipality@gmail.com
<b>Head,W.S/S.De</b>	SUDEEP K	NA		8547001230	kwaksd14@gmail.com
<b>HOD/P.H.de</b>	RANJITH KUMAR A P	NA		9995993618	kasaragodmunicipality@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	SUDEEP K	EXECUTIVE ENGINEER		8547001230	kwaksd14@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	54172	Households (Census 2011)	13376	City area (sq. km.)	16
Wards in city	38	Slum settlements (No.)	0	Industries (No.)	40
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	54700	Households in 2021(no.)	13506
Population density	3419	Slum population in 2021	0	Slum households 2021	0





### Future Projection

City population in 2025	55462	Households in 2025	18375	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	Engineering College	LBS ENGINEERING COLLEGE	Prof Mohammad Shekooor	04994251800	9447652949	principal@lbscek.ac.in
2	Organization	WATER AUTHORITY	SUDEEP K		8547001230	kwaksd14@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	chandragiri river	
2	Sewage Treatment Plant/ Water Treatment Plant	Bhavikara kunnu	
3	Park	SEA VIEW PARK	
4	Women Self Help Group	CAFE AND WE HELP	

## 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	CHANDRAGIRI RIVER	1	11	No	NA
2	Borewell	KAZILINE	1	0.02	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	BAVIKARA KUNNU(11MLD)	5.2	5.2	CHANDRAGIRI RIVER	Other(RAPID SAND FILTER)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4459	4886	2.709
2	Commercial Establishments	349	NA	0.349
3	Industries	40	NA	0.800
4	Institutional Establishments	38	NA	0.076
5	Slums	0	0	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.709	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	2.709	Average per capita water supply in LPCD	136.899

### Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8.319	Commercial establishments	0.436	Industries	1.000
Institutional establishments	0.095	Slums	0	Total	9.850000000000001
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	6
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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	CHANDRAGIRI RIVER	0.3		12.33 - 75.08	Good	No
2	Water Body	KALMADI THODU	0.015		12.50 - 74.98	Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	2.167	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)	
<b>Water Supply</b>					
Water supplied to households	2.709	Water demand	9.85	Gap in water supply	7.141
Water treatment capacity	5.2	Water to be treated	9.85	Gap in water treatment	4.65
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4886	Total households including slums	18375	Gap in households tap connections including slums	13489
<b>Used Water</b>					
Used water being treated	0	Used water generation	6.655	Gap in used water treatment	6.655
Used water being recycled	0	Used water to be recycled (20%)	1.331	Gap in used water recycling	1.331
Sewer connections provided (including coverage with septage management)	0	Total households	18375	Gap in household sewer connections/ coverage with septage management	18375