

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
KARUNAGAPALLY



District  
KOLLAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Shiju kumar S S	Assistant Engineer	0474-2620243	9495628035	lsgdknpy@gmail.com
<b>Mayor.Pre</b>	Kottayil Raju	NA	0474-2620243	9447453153	secknpym07@gmail.com
<b>Municipal.C/C.Ofc</b>	Faisal A	NA	0474-2620243	9847814765	secknpym07@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATH Y IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Muhammed Faisal Y	NA	0474-2620243	8281378687	secknpym07@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	Sreekumar P	Assistant Engineer		8547638536	kwaoachira@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	47483	Households (Census 2011)	11724	City area (sq. km.)	8
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	56980	Households in 2021(no.)	14069
Population density	7123	Slum population in 2021	0	Slum households 2021	0

### Future Projection

City population in 2025	61538	Households in 2025	15195	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	Sreekumar P		8547638536	kwaoachira@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Pond	
2	Women Self Help Group	Kudumbasree	

## 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	Achankovilar	1	4.3	No	NA
2	Tube Well	Alumkadavu	1	0.35	No	NA
3	Tube Well	Moothethukadavu	1	0.25	No	NA
4	Tube Well	Near Market	1	0.3	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	Oachira Designed capacity 15	4.3	4.3	Achankovilar	Other(Rapid sand filter)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Commercial Establishments	130	NA	0.1
2	Residential / Households	7613	7613	5
3	Slums	0		0
4	Industries	0	NA	0
5	Institutional Establishments	100	NA	0.1

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

Piped water supply in MLD	5	Water supply directly through tankers in MLD	0.40	Water supply through tubewell & borewell in MLD	0.70
Treated water supply in MLD	0	Total water supply in MLD	6.1000000000000005	Average per capita water supply in LPCD	162.166

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

Residential/ Households including slums	9	Commercial establishments	4	Industries	1
Institutional establishments	1	Slums	0.25	Total	15
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	9
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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	Pallikalar	0.04		- 0.0	Bad	No
2	Water Body	TS Canal	0.121			Bad	No
3	Water Body	Vattakkayal	0.04			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.88	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.88	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	6.1000000000 000005	Water demand	15	Gap in water supply	8.9
Water treatment capacity	4.3	Water to be treated	15	Gap in water treatment	10.7
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	7613	Total households including slums	15195	Gap in households tap connections including slums	7582
<b>Used Water</b>					
Used water being treated	0	Used water generation	7.2	Gap in used water treatment	7.2
Used water being recycled	0	Used water to be recycled (20%)	1.44	Gap in used water recycling	1.44
Sewer connections provided (including coverage with septage management)	0	Total households	15195	Gap in household sewer connections/ coverage with septage management	15195