

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**KOTTARAKKARA**



District  
**KOLLAM**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Sam Joshua	Assistant Engineer	0474-2452366	9400292633	aelsgdktrmc@gmail.com
<b>Mayor.Pre</b>	A Shaju	NA	0474-2452366	9447141555	kottarakaragp@gmail.com
<b>Municipal.C/C.Ofc</b>	Pradeep Kumar T V	NA	0474-2452366	9446347203	kottarakaramp@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Dr K R Sunil Kumar	NA	0474-2452610	9446963311	thqhktr@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	Steaphen Alexander	Assistant Engineer	0474-2454996	8547638539	aephsectionkottarakkara@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	30055	Households (Census 2011)	7421	City area (sq. km.)	17.4
Wards in city	29	Slum settlements (No.)	0	Industries (No.)	4
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	36066	Households in 2021(no.)	8905
Population density	2073	Slum population in 2021	0	Slum households 2021	0

### Future Projection




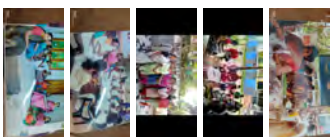
City population in 2025	38951	Households in 2025	9618	Slum households in 2025	0
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### Engineering College/ Organization/ Experts Working in Water Sector in the ULB

#	Type	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
1	Organization	Kerala Water Authority	Steaphen Alexander	0474-2454996	8547638539	aephsectionkottarakkara@gmail.com

### Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Pullamon thod	
2	Water Body	Pallikkal thod	
3	Water Body	Pandiveyil thod	
4	Water Body	Ganapathi temple pond	
5	Water Body	Padinjattinkara Temple pond	
6	Water Body	Thrikkannamangal Temple	
7	Water Body	Ambalapuram pond	
8	Water Body	Neeleswaram pond	
9	Water Body	ETC pond	
10	Water Body	Gandhinagarpond	

#	Type	Name	Uploaded image(s)
11	Water Body	Konnakkal pond ward 14	
12	Water Body	Kadalavila pond	
13	Park	Meenpidipara	
14	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	Kallada River	11	2	Yes	15
2	Well	Public wells in wards	28	0.05	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	Kulakkada	2.69	2.69	Kallada River	Other(Manual)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1645	1844	1.10
2	Commercial Establishments	185	NA	0.8
3	Industries	2	NA	0.4
4	Institutional Establishments	12	NA	0.3
5	Slums	0		0

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

Piped water supply in MLD	1.1	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	1.1	Average per capita water supply in LPCD	147.291

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

Residential/ Households including slums	7.18	Commercial establishments	1	Industries	1
Institutional establishments	2	Slums	0	Total	11.18
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
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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	ALUMPARA WELL 1	3.14			Good	Yes
2	Community Well	ALUMPARA WELL 2	3.14			Good	No
3	Community Well	AMBALAPURAM MUKKALA	3.14			Good	Yes
4	Community Well	AMBALAPURAM PANGOD	3.14			Good	No
5	Community Well	AVANOR	3.14			Bad	No
6	Community Well	CHENTHARA	3.14			Bad	No
7	Community Well	COLLAGE 1	3.5			Bad	No
8	Community Well	COLLAGE 2	3.5			Bad	No
9	Community Well	COLLAGE 3	3.5			Good	No
10	Community Well	COLLEGE 4 GURUMUTTAM	4			Good	No
11	Community Well	E T C 1	3.5			Good	No
12	Community Well	ETC 2	4			Good	Yes
13	Community Well	EYAMKUNNU WELL 1	4			Good	No
14	Community Well	EYAMKUNNU 2	4			Good	No
15	Community Well	EYAMKUNNU 4	5			Good	No
16	Community Well	KADALAVILA GANDHI PARK	6			Good	No
17	Community Well	KADAMKULAM	5			Bad	No
18	Community Well	KADAMKULAM 2	5			Good	No
19	Community Well	KALLUVATHUKKAL	4			Good	No
20	Community Well	PADINJATTINKARA 1	4			Bad	No
21	Community Well	PADINJATTINKARA 2	4			Good	No
22	Community Well	PAZHAYATHERUVU	4			Bad	No
23	Community Well	SHASTHAMUKAL 1	5			Good	No
24	Community Well	THRIKKANNAMANGAL	3.14			Good	No
25	Community Well	VELAMKONAM 1	5			Good	No
26	Community Well	VELAMKONAM 2	5			Good	No
27	Water Body	PULLAMON THOD	3000			Bad	No
28	Water Body	PALLIKKAL THOD	1000			Bad	No
29	Water Body	PANDIVEYIL THOD	2800			Bad	Yes
30	Water Body	E T C POND	100			Bad	No
31	Water Body	GANAPATHI TEMPLE POND	2000			Bad	Yes
32	Water Body	GANDHINAGAR POND	20			Bad	No
33	Water Body	KADALAVILA	8			Good	Yes
34	Water Body	KONNAKKAL	20			Bad	No

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
35	Water Body	NEELESWARAM	30			Bad	No
36	Water Body	PADINJATTINKARA TEMPLE POND	300			Good	No
37	Water Body	THRIKKANNAMANGAL POND	1000			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.88	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	1.1	Water demand	11.18	Gap in water supply	10.08
Water treatment capacity	2.69	Water to be treated	11.18	Gap in water treatment	8.49
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1844	Total households including slums	9618	Gap in households tap connections including slums	7774
<b>Used Water</b>					
Used water being treated	0	Used water generation	5.744	Gap in used water treatment	5.744
Used water being recycled	0	Used water to be recycled (20%)	1.149	Gap in used water recycling	1.149
Sewer connections provided (including coverage with septage management)	0	Total households	9618	Gap in household sewer connections/ coverage with septage management	9618