

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**ERATTUPETTA**



District  
**KOTTAYAM**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Jolly K V	Assistant Engineer		9846325325	melsgdetpa@gmail.com
<b>Mayor.Pre</b>	Suhra Abdul Khader	NA		9847604199	suhrahader@gmail.com
<b>Municipal.C/C.Ofc</b>	Sumayya Beevi S	NA		8848528597	etpamun@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Nassar C A	NA		9495647354	etpamun@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	RADHAMANI CK	ASSISTANT ENGINEER		9497088051	aekwaerattupetta@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	29075	Households (Census 2011)	6486	City area (sq. km.)	7.5
Wards in city	28	Slum settlements (No.)	0	Industries (No.)	8
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	34890	Households in 2021(no.)	8615
Population density	4652	Slum population in 2021	0	Slum households 2021	0





### Future Projection

City population in 2025	37681	Households in 2025	9304	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	KWA	Radhamanick		9497088051	aekwaerattupetta@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Meenachil river	
2	Water Body	Nadakkal pond	
3	Water Body	Eetilkkayam wells	
4	Water Body	Karakkad meenachil river side well	

## 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	Well	Erattupetta Water Supply Scheme by KWA Near Town checkdam	1	0.46	No	NA
2	Well	Thevarupara Water Supply scheme by kwa near eetilakkayam	1	0.14	No	NA
3	Borewell	Thidanadu water supply scheme by kwa Bore well at thidanad	1	0.04	Yes	4
4	River	Sulabha JJP Meenachil River side well near town check dam	1	0.05	No	NA
5	River	Kattamala Shasthamkunnu JJP Meenachil River side well near Eetilakkayam	1	0.085	No	NA
6	River	Kuttimaram Parambu JJP Meenachil River side well at varavalachikayam	1	0.10	No	NA
7	River	Karakkadu JJP Meenachil River side well at varavalachikayam	1	0.085	No	NA
8	River	Kollamparambu JJP Meenachil Riverside well at Eetilakkayam	1	0.10	No	NA
9	Borewell	CHIRAPPARA JJP bore well at chirappararoad side	1	0.055	No	NA
10	Borewell	MAHATHMA JJP BOREWELL NEAR STADIUM	1	0.07	No	NA
11	Borewell	THEKKEKKARA JJP BOREWELL NEAR THEKKEKKARA ROAD SIDE	1	0.10	No	NA
12	River	MATTAKKAD JJP MEENACHIL RIVER SIDE WELL AT MUNICIPAL BOUNDARY	1	0.06	No	NA
13	Borewell	THEVARUPARA JJP BOREWELL AT VALAVANARKUZH	1	0.05	No	NA
14	River	PATHAZHAPPADI THEVARUPARA VALAVANARKUZH JJP RIVER SIDE WELL OPPOSITE ELAPPUNKAL MASJID	1	.15	No	NA
15	River	MALIACKAL JJP MEENACHIL RIVER SIDE WELL AT NEDUNKEENTHIKAYAM	1	0.10	No	NA
16	River	PALLIPARA JJP MEENACHIL RIVER SIDE WELL AT KUNNAPPALLIKKADAVU	1	0.10	No	NA
17	Borewell	KADUVAMOOZHI JJP BORE WELL AT VAZHAMATTAM ROAD SIDE	1	0.03	No	NA
18	River	KEERIYATHOTTAM JJP RIVER SIDE WELL AT EETILAKKAYAM	1	0.125	No	NA
19	Borewell	MULLOOPARA JJP BORE WELL AT OLD PADDY LAND NADACKAL	1	0.10	No	NA

#	Type	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
20	River	PEZHUMKADU MATHACKAL JJP MEENACHIL RIVER SIDE WELL AT EETILAKKAYAM	1	0.055	No	NA
21	River	ZAM ZAM JJP MEENACHIL RIVER SIDE WELL AT ARUVITHURA COLLAGE	1	0.175	No	NA
22	River	THADAVANAL JJP MEENACHIL RIVER SIDE WELL AT PUTHENPALLI KAYAM	1	0.10	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	nil	0	0	Erattupetta Water Supply Scheme by KWA Near Town checkdam	Other(na)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	3930	3930	2.0
2	Slums	0		0
3	Industries	0	NA	0
4	Commercial Establishments	118	NA	0.2
5	Institutional Establishments	24	NA	.15

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

Piped water supply in MLD	2	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	Average per capita water supply in LPCD	125.656

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

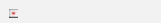
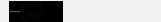
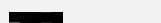
Residential/ Households including slums	5	Commercial establishments	1	Industries	0.5
Institutional establishments	1	Slums	0	Total	7.5
Are you going to met the 100% future demand through subsurface water source?	Yes		How much future demand in MLD will be met through subsurface water source?		NA

## WB Rejuvenation & RWH

### Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Not implemented	No. of water tanks at religious places in your city	1
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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	Meenachilar	.28			Bad	No
2	Water Body	NADAKKAL POND	0.016			Bad	No
3	Community Well	river side wells eetilakkayam	.08			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.6	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	1.864	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	Water demand	7.5	Gap in water supply	5.5
Water treatment capacity	0	Water to be treated	7.5	Gap in water treatment	7.5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	3930	Total households including slums	9304	Gap in households tap connections including slums	5374
<b>Used Water</b>					
Used water being treated	0	Used water generation	4	Gap in used water treatment	4
Used water being recycled	0	Used water to be recycled (20%)	0.8	Gap in used water recycling	0.8
Sewer connections provided (including coverage with septage management)	0	Total households	9304	Gap in household sewer connections/ coverage with septage management	9304