

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**PANOOR**



District  
**KANNUR**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Rajan K K	AE	04902311340	9744855160	aelsgdpanoor@gmail.com
<b>Mayor.Pre</b>	V Nasar Master	NA	490-2311340	9744808386	panoormunicipality2015@gmail.com
<b>Municipal.C/C.Ofc</b>	Rajan K K	NA	490-2311340	9744855160	aelsgdpanoor@gmail.com
<b>Head,W.S/S.De</b>	Aswin	NA	0490-2363407	8547638285	aewskpba@gmail.com
<b>HOD/P.H.de</b>	Anilkumar C	NA	490-2311340	9447352827	chcpanoor@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
<b>1</b>	KERALA WATER AUTHORITY	ASWIN	ASSISTANT ENGINEER	04902363407	8547638285	aewskpba@gmail.com

### City profile as per FY 2020-21

<b>City population(Census 2011)</b>	57730	<b>Households (Census 2011)</b>	14254	<b>City area (sq. km.)</b>	28.53
<b>Wards in city</b>	40	<b>Slum settlements (No.)</b>	0	<b>Industries (No.)</b>	126
<b>Industrial clusters</b>	3	<b>Population survey conducted in the last five years ?</b>	<b>No</b>	<b>Survey year</b>	NA
<b>Survey city population</b>	NA	<b>City population in 2021</b>	69276	<b>Households in 2021(no.)</b>	17105
<b>Population density</b>	2428	<b>Slum population in 2021</b>	0	<b>Slum households 2021</b>	0



### Future Projection

<b>City population in 2025</b>	74818	<b>Households in 2025</b>	18474	<b>Slum households in 2025</b>	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	Aswin	0490-2363407	8547638285	aewskpba@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Athoorkulam	
2	Water Body	Eranjikulam	

## 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	KIDANJI	1	0.12	No	NA
2	Well	KANJIRAKADAVU	1	0.13	No	NA
3	Well	KANAKAMALA	1	0.09	No	NA
4	Well	PULIYANAMBRAM	1	0.09	No	NA
5	River	PATHIPALAM	1	1.50	Yes	8

### 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	Slums	0	0	0
2	Residential / Households	183	183	0.111
3	Commercial Establishments	45	NA	0.045

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

Piped water supply in MLD	0.111	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	0.111	Average per capita water supply in LPCD	149.767

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

Residential/ Households including slums	11.223	Commercial establishments	0.056	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	11.779
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	10
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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	Mayyazhi River	0.000007			Bad	No
2	Community Well	Nadaal Well	0.000013			Bad	No
3	Community Well	Mekkunnu Well	0.000013			Bad	No
4	Community Well	Chaamaparambath Well	0.000063			Bad	No
5	Community Well	Shaaliyaschool Pookkomtheru Well	0.000063			Bad	No
6	Community Well	Kambanikunnummal Well	0.0000635			Bad	No
7	Community Well	Kuniyaarathul Well	0.000063			Bad	No
8	Community Well	Aviyaattu Well	0.0000125			Bad	No
9	Water Body	Elithodupuzha	0.0000003			Bad	No
10	Water Body	Paalathaayi Puzha	0.000003			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.089	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	0.111	Water demand	11.779	Gap in water supply	11.668
Water treatment capacity	0	Water to be treated	11.779	Gap in water treatment	11.779
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	183	Total households including slums	18474	Gap in households tap connections including slums	18291
<b>Used Water</b>					
Used water being treated	0	Used water generation	8.978	Gap in used water treatment	8.978
Used water being recycled	0	Used water to be recycled (20%)	1.796	Gap in used water recycling	1.796
Sewer connections provided (including coverage with septage management)	0	Total households	18474	Gap in household sewer connections/ coverage with septage management	18474