

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
MANNARKKAD



District
PALAKKAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Muhammed Ansar	Assistant Engineer in charge	04924222336	8907835411	aelsgdmkd2016@gmail.com
Mayor.Pre	Muhammed Basheer C	NA	04924222269	9447052773	ddpmannarkkadpkd@gmail.com
Municipal.C/C.Ofc	Vinayan N	NA	04924222336	9562909055	ddpmannarkkadpkd@gmail.com
Head,W.S/S.De	Shyn Krishnan	NA	04924222363	8547638322	kwamannarkkad@gmail.com
HOD/P.H.de	Nujoom J A	NA	04924222336	8547583159	ddpmannarkkadpkd@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	Shyn Krishnan	Executive Engineer	04924222363	8547638322	kwamannarkkad@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	31902	Households (Census 2011)	7877	City area (sq. km.)	14.09
Wards in city	29	Slum settlements (No.)	00	Industries (No.)	00
Industrial clusters	00	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	38282	Households in 2021(no.)	9452
Population density	2717	Slum population in 2021	0	Slum households 2021	0




Future Projection

City population in 2025	41345	Households in 2025	10209	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	Shyn Krishnan	04924222363	8547638322	kwamannarkkad@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Nellipuzha	
2	Water Body	Kunthipuzha River	
3	Sewage Treatment Plant/ Water Treatment Plant	Chomeri WTP	

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	Kunthipuzha	1	7	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	Chomeri	7	7	Kunthipuzha	Other(Sand)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4472	4316	2.05
2	Commercial Establishments	510	NA	0.25
3	Institutional Establishments	0	NA	0
4	Slums	0	0	0
5	Industries	0	NA	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2.05	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	2.05	Average per capita water supply in LPCD	117.278

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	6	Commercial establishments	0.5	Industries	0.5
Institutional establishments	0.5	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	Implemented	No. of water tanks at religious places in your city	0
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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	Kunthipuzha River	0.070		10.99685 - 76.44970	Good	Yes
2	Water Body	Nellipuzha	0.035		10.99246 - 76.46927	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.64	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	9452	Sewage generated in MLD	1.64	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)	
Water Supply					
Water supplied to households	2.05	Water demand	7.5	Gap in water supply	5.45
Water treatment capacity	7	Water to be treated	7.5	Gap in water treatment	0.5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4316	Total households including slums	10209	Gap in households tap connections including slums	5893
Used Water					
Used water being treated	0	Used water generation	4.8	Gap in used water treatment	4.8
Used water being recycled	0	Used water to be recycled (20%)	0.96	Gap in used water recycling	0.96
Sewer connections provided (including coverage with septage management)	0	Total households	10209	Gap in household sewer connections/ coverage with septage management	10209