

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
MANJERI (M)



District
MALAPPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Satheesh Kumar P	Assistant Executive Engineer	04832766238	9447169667	memanjery@gmail.com
Mayor.Pre	V M Subaida	NA	0483276238	9895770693	musecmanjeri@gmail.com
Municipal.C/C.Ofc	Sugadhakumar S	NA	04832769609	9447728374	musecmanjeri@gmail.com
Head,W.S/S.De	Abdul Khader P	NA	04832766238	9946506848	musecmanjeri@gmail.com
HOD/P.H.de	Abdul Khader P	NA	04832662738	9946506848	musecmanjeri@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	Suresh Babu T	Executive Engineer PH Division Malappuram	04832734891	8547638062	eekwamlpm@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	97102	Households (Census 2011)	23976	City area (sq. km.)	53.06
Wards in city	50	Slum settlements (No.)	0	Industries (No.)	86
Industrial clusters	3	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	116522	Households in 2021(no.)	28771
Population density	2196	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	125844	Households in 2025	31073	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	NIL	04832734561	8547638062	kwamlpm@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Chetiyar Kulam	
2	Park	Cherani Park	

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	Chaliyar River	1	7.5	Yes	20

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Kilikallingal	6.6	6.6	Chaliyar River	Other(NIL)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	8292	8292	5.037
2	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5.037	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	5.037	Average per capita water supply in LPCD	149.988

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	18.877	Commercial establishments	0.250	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	19.627
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	22
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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	Patter Kulam	0.00015			Good	Yes
2	Community Well	Adupooty Colony Kidangazhi	0.00001			Good	Yes
3	Community Well	Payyanad Kacherippadi	0.00001			Good	Yes
4	Community Well	Vellilam Kunnu	0.00001			Good	Yes
5	Water Body	Puthrottu Kulam	0.0003			Good	Yes
6	Water Body	Ramankulam	20			Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.03	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
1	NIL	0	0	0	Others	0	Yes	0

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	5.037	Water demand	19.627	Gap in water supply	14.59
Water treatment capacity	6.6	Water to be treated	19.627	Gap in water treatment	13.027
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	8292	Total households including slums	31073	Gap in households tap connections including slums	22781
Used Water					
Used water being treated	0	Used water generation	15.102	Gap in used water treatment	15.102
Used water being recycled	0	Used water to be recycled (20%)	3.02	Gap in used water recycling	3.02
Sewer connections provided (including coverage with septage management)	0	Total households	31073	Gap in household sewer connections/ coverage with septage management	31073