

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
MALAPPURAM (M)



District
MALAPPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Mini Mol N	Assistant Engineer	04832734327	9495104416	aemlpmmunicipality@gmail.com
Mayor.Pre	Mujeeb Kaderi	NA	04832734327	9895515706	kaderimujeeb@gmail.com
Municipal.C/C.Ofc	Abdul Nasar Valiyattil	NA	04832734327	9947698580	mlpmmunci@gmail.com
Head,W.S/S.De	Suresh Babu T	NA	04832734860	8547638062	eekwamlpm@gmail.com
HOD/P.H.de	Aligar Babu	NA	04832734866	9846487812	supdtthqhmpm@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	KWA	SURESH BABU T	EXICUTIVE ENGINEER	04832734860	8547638062	eekwamlpm@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	68127	Households (Census 2011)	14750	City area (sq. km.)	33.60
Wards in city	40	Slum settlements (No.)	1	Industries (No.)	6
Industrial clusters	2	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	79166	Households in 2021(no.)	16900
Population density	2356	Slum population in 2021	562	Slum households 2021	139




Future Projection

City population in 2025	82850	Households in 2025	18250	Slum households in 2025	150
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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	Suresh Babu T	04832734860	8547638062	eekwamlpm@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	TP AT KWA OFFICE WB AT KADALUNDIRIVER	
2	Water Body	KADALUNDI RIVER	
3	Park	KOTAKUNN 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	KDALUNDI RIVER-MANNARKUND	1	4.50	No	NA
2	River	KADALUNDI RIVER-CHAMAKKAYAM	1	3.50	No	NA
3	River	KADALUNDI RIVER-NAMBRANI	1	4.50	No	NA
4	River	KADALUNDI RIVER-HAJIYARPALLI	1	0.5	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	KWA MALAPPURAM	4.50	4	KDALUNDI RIVER-MANNARKUND	Other(MANUAL)
2	KWA MALAPPURAM	4.50	4	KADALUNDI RIVER-NAMBRANI	Other(MANUAL)
3	CHAMAKKAYAM	3.50	3	KADALUNDI RIVER-CHAMAKKAYAM	Other(MANUAL)
4	KADALUNDI RIVER-HAJIYARPALLI	0.5	0.5	KADALUNDI RIVER-HAJIYARPALLI	Other(MANUAL)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	12919	12919	9.078
2	Commercial Establishments	1208	NA	1.208
3	Industries	6	NA	0.120
4	Institutional Establishments	218	NA	0.436
5	Slums	120	120	0.084

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	9.078	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	9.078	Average per capita water supply in LPCD	150.147

Estimated Future Water Demand in 2025 (in MLD)

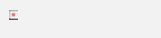
Residential/ Households including slums	12.428	Commercial establishments	1.510	Industries	0.150
Institutional establishments	0.545	Slums	0.105	Total	14.633000000000001
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface 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	Water Body	KADALUNDI RIVER	2		11 - 75	Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	7.262	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)	
Water Supply					
Water supplied to households	9.078	Water demand	14.633	Gap in water supply	5.555
Water treatment capacity	13	Water to be treated	14.633	Gap in water treatment	1.633
Households with tap connections in slums	120	Total slum households	150	Gap in household tap connections	30
Households covered with Tap connections (City)	12919	Total households including slums	18250	Gap in households tap connections including slums	5331
Used Water					
Used water being treated	0	Used water generation	9.942	Gap in used water treatment	9.942
Used water being recycled	0	Used water to be recycled (20%)	1.988	Gap in used water recycling	1.988
Sewer connections provided (including coverage with septage management)	0	Total households	18250	Gap in household sewer connections/ coverage with septage management	18250