

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
PERINTHALMANNA (M)



District  
MALAPPURAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	NISHATH KAVUNGAPPARAM BIL	ASSISTANT ENGINEER	04933227363	9020280511	meperinthalmannamunicipality@gmail.com
<b>Mayor.Pre</b>	SHAJI P	NA	04933227363	9846696376	pmnamunicipalchairman@gmail.com
<b>Municipal.C/C.Ofc</b>	ABDUL SAJEEM S	NA	04933227363	9447452720	pmnamlty@gmail.com
<b>Head,W.S/S.De</b>	BABU M S	NA	04933227260	9605080290	kwapmna@gmail.com
<b>HOD/P.H.de</b>	DILEEP KUMAR	NA	04933227363	9072953010	pmnamlty@gmail.com

### Parastatal Agency

Any parastatal agency engaged? : **No**

### City profile as per FY 2020-21

City population(Census 2011)	49723	Households (Census 2011)	12277	City area (sq. km.)	34.41
Wards in city	34	Slum settlements (No.)	0	Industries (No.)	62
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	59668	Households in 2021(no.)	14733
Population density	1734	Slum population in 2021	0	Slum households 2021	0



### Future Projection

City population in 2025	64441	Households in 2025	15911	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
No data available in table						

### Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	THOOTHARIVER	
2	Sewage Treatment Plant/ Water Treatment Plant	water treatment plant	

## 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	THOOTHA RIVER	1	7	Yes	12

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	CHERUKARA	6	6	THOOTHA RIVER	Other(MANUAL)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	5941	6730	3.609
2	Commercial Establishments	786	NA	0.786
3	Industries	3	NA	0.060
4	Institutional Establishments	0	NA	0
5	Slums	0	0	0

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

Piped water supply in MLD	3.609	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	3.609	Average per capita water supply in LPCD	132.409

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


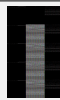








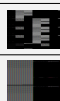












Residential/ Households including slums	9.666	Commercial establishments	0.983	Industries	0.075
Institutional establishments	0.250	Slums	0	Total	10.974
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?	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	mangalam	.08			Bad	No
2	Water Body	kollengode	.02			Bad	No
3	Water Body	cholakkal	.03			Bad	No
4	Water Body	puthenkulam	.03			Bad	No
5	Water Body	korakkulam	.03			Bad	No
6	Community Well	PONNYAKURSIKULAM	.02			Bad	No
7	Water Body	kaithakkulam	.02			Bad	No
8	Water Body	nariyengakulam	.01			Bad	No
9	Water Body	nellipadam kulam	.01			Bad	No
10	Water Body	ramankulam madasserikulam	.01			Bad	No
11	Water Body	enipparakulam	.005			Bad	No
12	Water Body	anakundu mundathapalam kulam	.01			Bad	No
13	Water Body	chaliyamkulam	.01			Bad	No
14	Water Body	kapparakunnu kulam	.01			Bad	No
15	Water Body	monakulam	.02			Bad	No
16	Water Body	parakkodu kulam	.005			Bad	No
17	Water Body	melecholakulam	.005			Bad	No
18	Water Body	cherukulam	.005			Bad	No
19	Water Body	asarikulam	.01			Bad	No
20	Community Well	thamarath colony	0			Bad	No
21	Community Well	uduvalliparambu	0			Bad	No
22	Community Well	shifa colony	0			Bad	No
23	Community Well	isahajipadi	0			Bad	No

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
24	Community Well	lakshamveedu	0			Bad	No
25	Community Well	kutti para	0			Bad	No
26	Community Well	kappungal	0			Bad	No
27	Community Well	kelakunnu	0			Bad	No
28	Community Well	banglavukunnu	0			Bad	No
29	Community Well	kovilakampadi	0			Bad	No
30	Community Well	parayan colony	0			Bad	No
31	Community Well	thottakkara	0			Bad	No
32	Community Well	thekkinkodu	0			Bad	No
33	Community Well	j n road	0			Bad	No
34	Community Well	thekkinkodu madrasa	0			Bad	No
35	Community Well	thekkinkodu laksham veedu	0			Bad	No
36	Community Well	kolakkulam	0			Bad	No
37	Community Well	jubily road	0			Bad	No
38	Community Well	jubily junction	0			Bad	No
39	Community Well	muttungal vyanasala	0			Bad	No
40	Water Body	pathaikkara thodu	3.7			Bad	No
41	Water Body	ponnyakursithodu	7.41			Bad	No
42	Water Body	kunnappilli thodu	6.67			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	2.887	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	3.609	Water demand	10.974	Gap in water supply	7.365
Water treatment capacity	6	Water to be treated	10.974	Gap in water treatment	4.974
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	6730	Total households including slums	15911	Gap in households tap connections including slums	9181
<b>Used Water</b>					
Used water being treated	0	Used water generation	7.733	Gap in used water treatment	7.733
Used water being recycled	0	Used water to be recycled (20%)	1.547	Gap in used water recycling	1.547
Sewer connections provided (including coverage with septage management)	0	Total households	15911	Gap in household sewer connections/ coverage with septage management	15911