

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
NEYYATTINKARA (M)



District
THIRUVANANTHAPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Lawrence N	Assistant Engineer	04712222242	9497662983	meneyyattinkara@gmail.com
Mayor.Pre	P K Rajamohanam	NA	04712222242	9447210041	PKRchairmannytamc@gmail.com
Municipal.C/C.Ofc	Manikantan R	NA	04712222248	9446094973	secretarynytamc@gmail.com
Head,W.S/S.De	S VENKATESAPATH Y IAS	NA	9447798383	9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Dr Lini M S	NA	9995335136	9995335136	phcperumpazhuthoor@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	Narayanan Namboothiri	Executive Engineer	8547638086	8547638086	wsdivision.neyyattinkara@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	70840	Households (Census 2011)	17491	City area (sq. km.)	28
Wards in city	44	Slum settlements (No.)	11	Industries (No.)	15
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	85008	Households in 2021(no.)	20990
Population density	3036	Slum population in 2021	2615	Slum households 2021	646




Future Projection

City population in 2025	91809	Households in 2025	22669	Slum households in 2025	698
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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	Narayanan Namboothiri	8547638086	8547638086	wdivision.neyyattinkara@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Pond	
2	Park	Park	
3	Women Self Help Group	Women Self Help Group	

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	Neyyar Near Krishnan Covil	1	4	No	NA
2	Dam	Kalipara 36mld	1	2	Yes	30

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Neyyattinkara KWA Office Compound	4.6	4	Near Krishnan Covil	Other(Manual)
2	Kalipara 36mld	2	2	Kalipara 36mld	Other(Rapid sand filter)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	9660	9035	5
2	Industries	15	NA	0.3
3	Institutional Establishments	610	NA	0.36
4	Commercial Establishments	1082	NA	0.52
5	Slums	625	625	0.07

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5	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	Average per capita water supply in LPCD	136.643

Estimated Future Water Demand in 2025 (in MLD)









Residential/ Households including slums	20	Commercial establishments	2	Industries	1
Institutional establishments	2	Slums	0.08	Total	25
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	4
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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	Neyyar	.44			Bad	No
2	Water Body	Ezhazhakulam	.005			Bad	No
3	Water Body	Maruthoor Thodu	.08			Bad	No
4	Water Body	Mekkarikulam	.005			Bad	No
5	Water Body	Thachikulam	.007			Bad	No
6	Water Body	Irumpil	.01			Bad	No
7	Water Body	Aruthalachikulam	.008			Bad	No
8	Water Body	Venkulam	.019			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4	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	5	Water demand	25	Gap in water supply	20
Water treatment capacity	6.6	Water to be treated	25	Gap in water treatment	18.4
Households with tap connections in slums	625	Total slum households	698	Gap in household tap connections	73
Households covered with Tap connections (City)	9035	Total households including slums	22669	Gap in households tap connections including slums	13634
Used Water					
Used water being treated	0	Used water generation	16	Gap in used water treatment	16
Used water being recycled	0	Used water to be recycled (20%)	3.2	Gap in used water recycling	3.2
Sewer connections provided (including coverage with septage management)	0	Total households	22669	Gap in household sewer connections/ coverage with septage management	22669