

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
IRINJALAKUDA (M)



District
THRISSUR



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Prasad V S	Assitant Engineer	04802825238	9744397424	aeijkmun@gmail.com
Mayor.Pre	Sonia Giri	NA	04802825210	9947709553	secretaryijk@gmail.com
Municipal.C/C.Ofc	Muammed Anas K M	NA	04802825210	9497254528	secretaryijk@gmail.com
Head,W.S/S.De	Reshma P P	NA	04802825788	8547638381	kwaphsubdnijk@gmail.com
HOD/P.H.de	K M Sainudheen	NA	04802825238	9074914663	sainudheenkallupurackal@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	Reshma P P	AEE	04802826608	8547638381	kwaphsubdnijk@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	60507	Households (Census 2011)	14940	City area (sq. km.)	33.57
Wards in city	41	Slum settlements (No.)	0	Industries (No.)	9
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	72608	Households in 2021(no.)	17928
Population density	2163	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	78417	Households in 2025	19362	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	Reshma.P.P	04802826608	8547638381	kwaphsubdnijk@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	mangadikunnu water treatment plant	
2	Water Body	karuvannur river	
3	Water Body	thenkulam	
4	Water Body	thurukay pond	
5	Water Body	njararikulam	
6	Women Self Help Group	kudumbasree	
7	Park	Republic 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	Karuvannur River	1	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	Mangadikunnu	5	5	Karuvannur River	Other(manual)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Commercial Establishments	416	NA	.29
2	Residential / Households	7079	7079	4.6
3	Industries	7	NA	.01
4	Institutional Establishments	6	NA	.1
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.6	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	4.6	Average per capita water supply in LPCD	160.447

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	15.13	Commercial establishments	.6	Industries	.02
Institutional establishments	.25	Slums	0	Total	16
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	1
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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	thenkulam	.004		10.3578 - 76.2207	Good	Yes
2	Water Body	Thurukay pond	.004		10.3743 - 76.2128	Good	Yes
3	Water Body	njavarikulam	.004		10.3480 - 76.2132	Good	Yes
4	Water Body	Edayezhath pond	.001		10.3703 - 76.2099	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.68	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	4.6	Water demand	16	Gap in water supply	11.4
Water treatment capacity	5	Water to be treated	16	Gap in water treatment	11
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	7079	Total households including slums	19362	Gap in households tap connections including slums	12283
Used Water					
Used water being treated	0	Used water generation	12.104	Gap in used water treatment	12.104
Used water being recycled	0	Used water to be recycled (20%)	2.421	Gap in used water recycling	2.421
Sewer connections provided (including coverage with septage management)	0	Total households	19362	Gap in household sewer connections/ coverage with septage management	19362