

### Stats at Glance:

**Literacy Rate**  
97.36

**Sex Ratio**  
1000:1027

**Population Density**  
5620 persons / sq km



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# KOCHI - JOURNEY TOWARDS A WASTE-FREE SMART CITY



## Water Supply

Demand – 150 LPCD  
Supply - 60 LPCD  
Frequency of water supply ranges from 8 hrs to ½ hr every day

## Sewerage & Storm Water Management

Sewerage generated – 89MLD  
Sewerage Treated – 50MLD  
Length of :  
Primary canal – 77 km  
Manmade secondary drains: 222 km  
Area drains – 240 km

## Solid Waste Management

Total Waste Generated Per Day- 420 tonnes/day  
Total Waste Collected – 240 tonnes per day  
Total Waste Treated- 98 tonnes per day MT/day

Total Power Demand- 1.1 Mkw

Total Power Supply- 1.078Mkw

## Power

Total KSRTC Buses- 1571  
Carrying capacity -56  
Total Private Buses - 7047

## Public Transport

Pre primary to Secondary schools – 219  
Higher Education Institutions: 16  
Total Hospitals and Dispensaries - 392

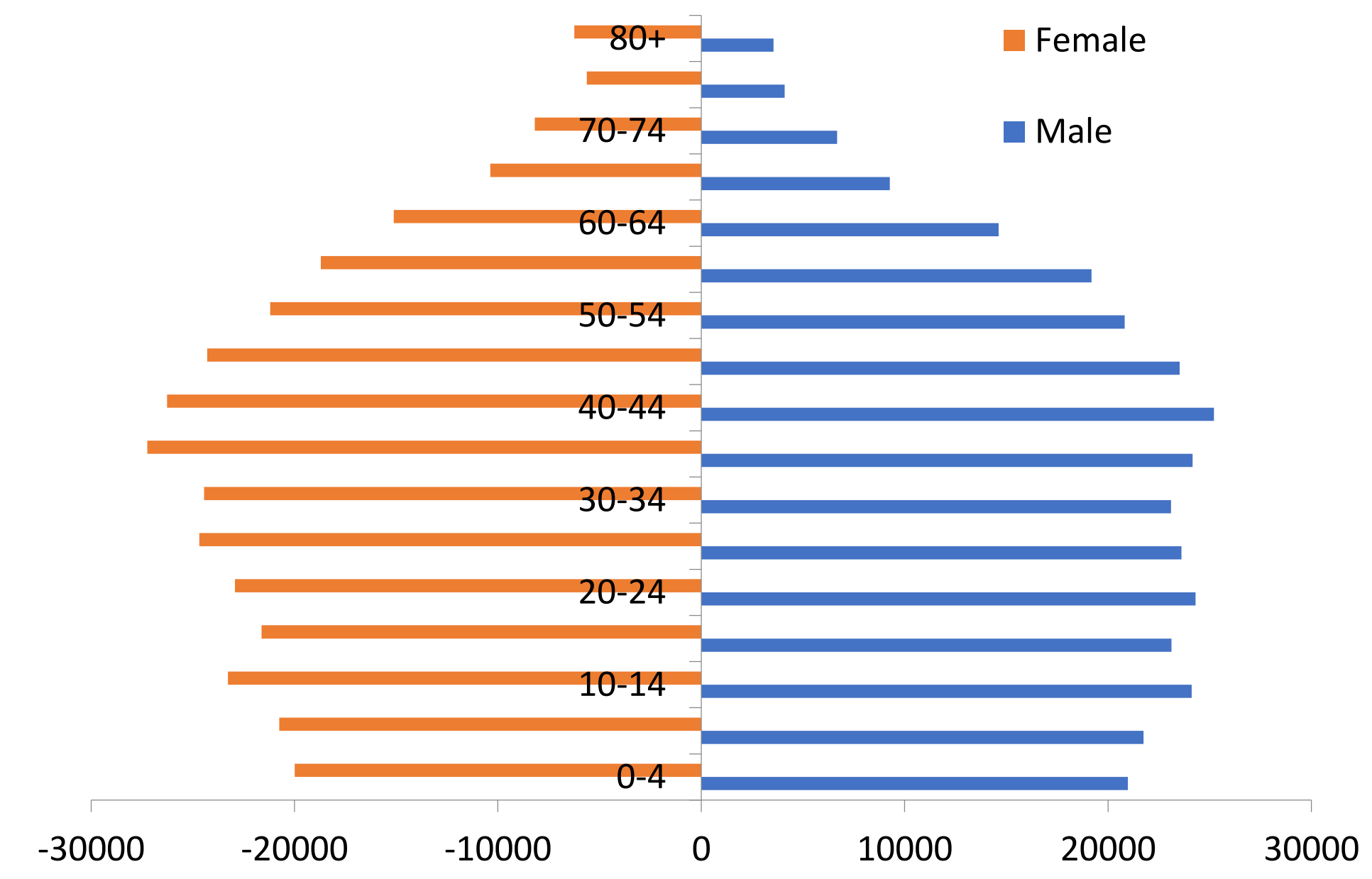
## Health Care & Education

## Municipal Service Delivery : Kochi

Kochi is located in the southwest India in the state of Kerala. It comes under the district, Ernakulum. The development authority of Kochi is Greater Cochin Development Authority, the body that sees the development of the city. The city has a population of 6.02 Lakhs.(1) The city, the surrounding municipalities and Panchayats or outgrowths are in short of adequate water supply network and access to piped water supply. Kerala Water Authority (KWA) looks after the planning and tariff fixation. While Cochin Port Trust (for port areas) along with Kerala Water Authority (KWA) is responsible for the implementation and operation and maintenance (2). A number of identified areas in the city are frequently flooding during moderate rains. The drainage systems empty their water and waste loads into water bodies and backwaters through the fairly flat terrain subjected to tidal effects. The planning of storm water drainage projects is done by Corporation of Cochin (CoC) and other local bodies. The implementation and operation and maintenance are done by Corporation of Cochin (CoC) Engineering Department (construction) and Kerala Public Works Department (3). Solid Waste generation estimation is 420 tonnes per day at a per capita rate of 0.707 kg/day. Planning, Implementing and Tariff of Solid Waste Management in the city is done by Corporation of Cochin (CoC). While Operation and Maintenance is under CoC, other local bodies and private sector initiatives like CREDAI Clean City Kochi. For disposal there are no sanitary landfill, no environment protection measures. In regulatory aspect the compliance of SWM Rules is minimal (3). Kerala Water Authority and Corporation of Cochin are responsible for planning of sewerage and sanitation. Cochin Port Trust (for Willingdon Island), KWA, CoC and other local bodies for implementation and operation and maintenance and KWA for Tariffs (3). In spite of the various developmental activities carried out with success in many parts of the region, the study and analysis carried out describes that Kochi suffers from many deficiencies and that the ongoing developmental activities lack a thorough outlook.

### References:

1. Census2011.co.in. (2019). Kochi City Population Census 2011-2019 | Kerala. Available at: <https://www.census2011.co.in/census/city/459-kochi.html>
2. Mohua.gov.in. (2019). Available at: [http://mohua.gov.in/upload/uploadfiles/files/CSP\\_Brochure\\_Kochi.pdf](http://mohua.gov.in/upload/uploadfiles/files/CSP_Brochure_Kochi.pdf)
3. The Hindu. (2019). Open drains a safety threat in Anna Nagar. [online] Available at: <https://www.thehindu.com/news/cities/open-drains-a-safety-threat-in-anna-nagar/article26944412.ece> [Accessed 8 Jul. 2019].



Age-Sex Pyramid