

## **Description of Data and steps are involved to make the output map**

### **Data Used**

<b>Sl. No</b>	<b>Extracted Shape file</b>	<b>Source</b>
1	Drainage Network	LISS-III (bhuva.nrsc.gov.in)
2	Sand Bar	
3	Municipality Boundary	Cooch Behar Municipality (CBM) office, Cooch Behar, West Bengal, India
4	Road Network	
5	Rail Network	
6	Inland Water Bodies	

### **Steps**

Various steps are involved to prepare Ward-wise Regional Transport and Drainage Network map of Cooch Behar Municipality (CBM). These are-

First, Ward-wise municipality boundaries have been digitized from the base map, obtained from the CBM office. Apart from that, Inland water bodies (Dighi), road and rail network also been extracted from the base map.

Second, Rivers and sandbars have been obtained from LISS-III.

### **Complexities**

All the separate shape files are composed one layer to prepare the final output map. Twenty (20) ward of this municipality have been shown in different colors. The map clearly highlighted that the ward-wise transportation density and pattern. Apart from that, the important places (e.g., Rajbari and Airport) are also indicated in the map with symbolic pattern.

### **Potential Application**

The proposed map shows that well planned transportation system is existed in Cooch Behar Municipality. All the metaled roads are straight and one rail line passed through the municipality. Apart from that, the municipality is surrounded by rivers on three sides. So, the well planned transportation network of Cooch Behar Municipality can be used to others town of the India for better transportation planning.