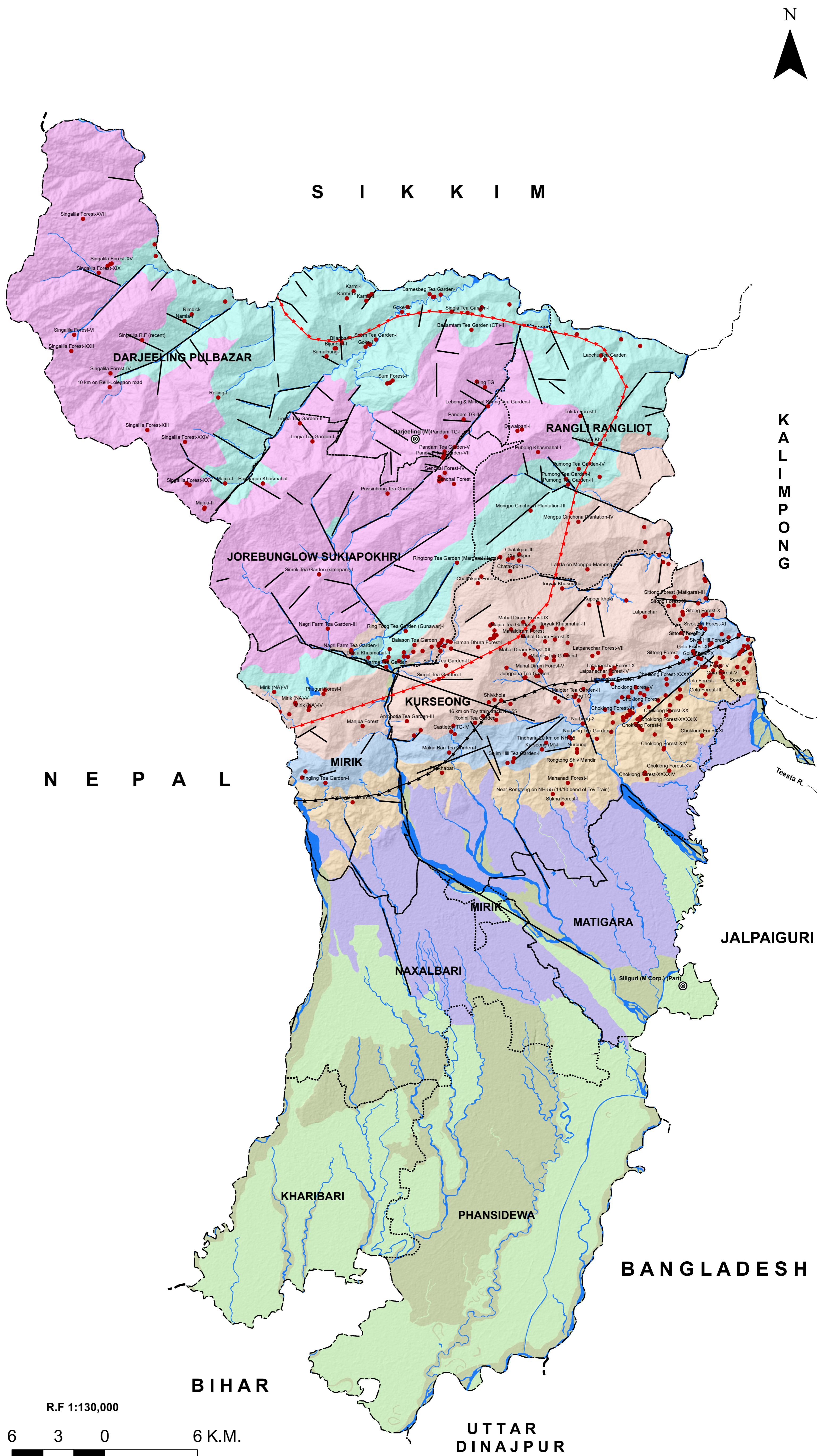
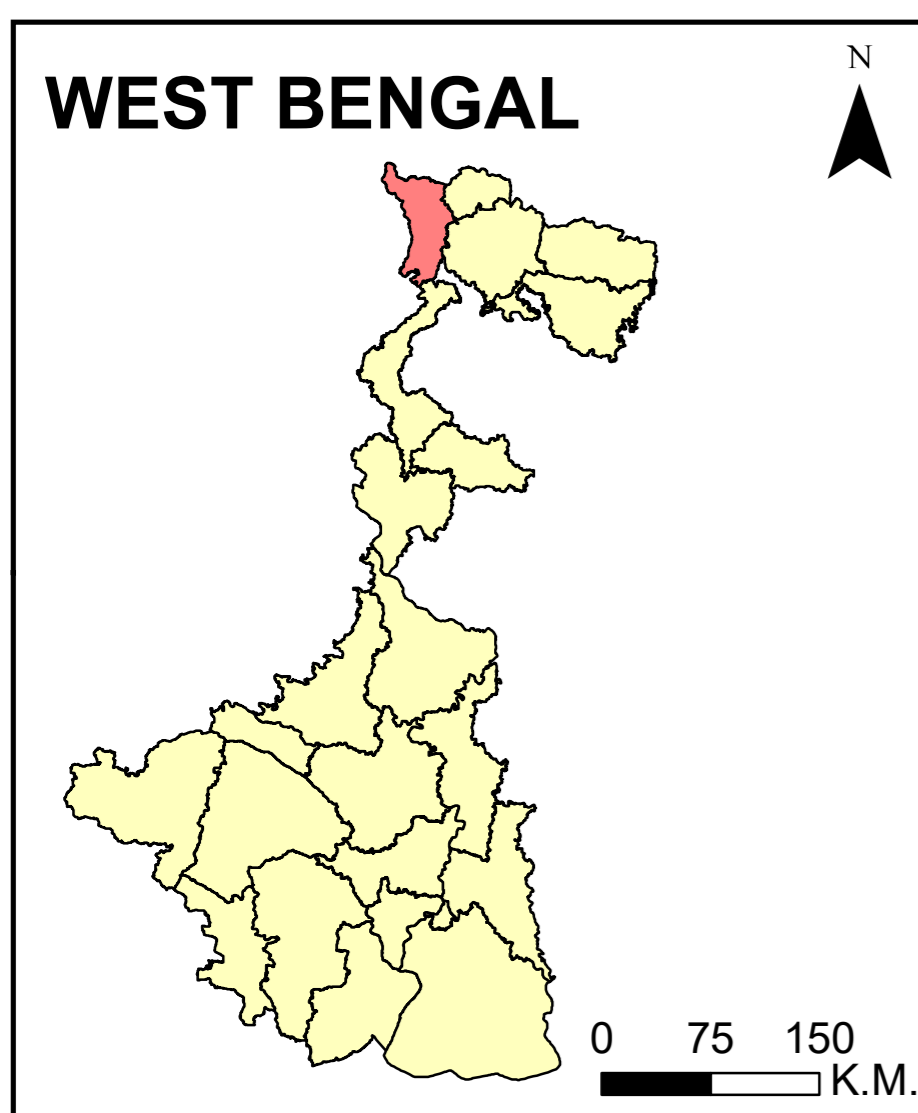
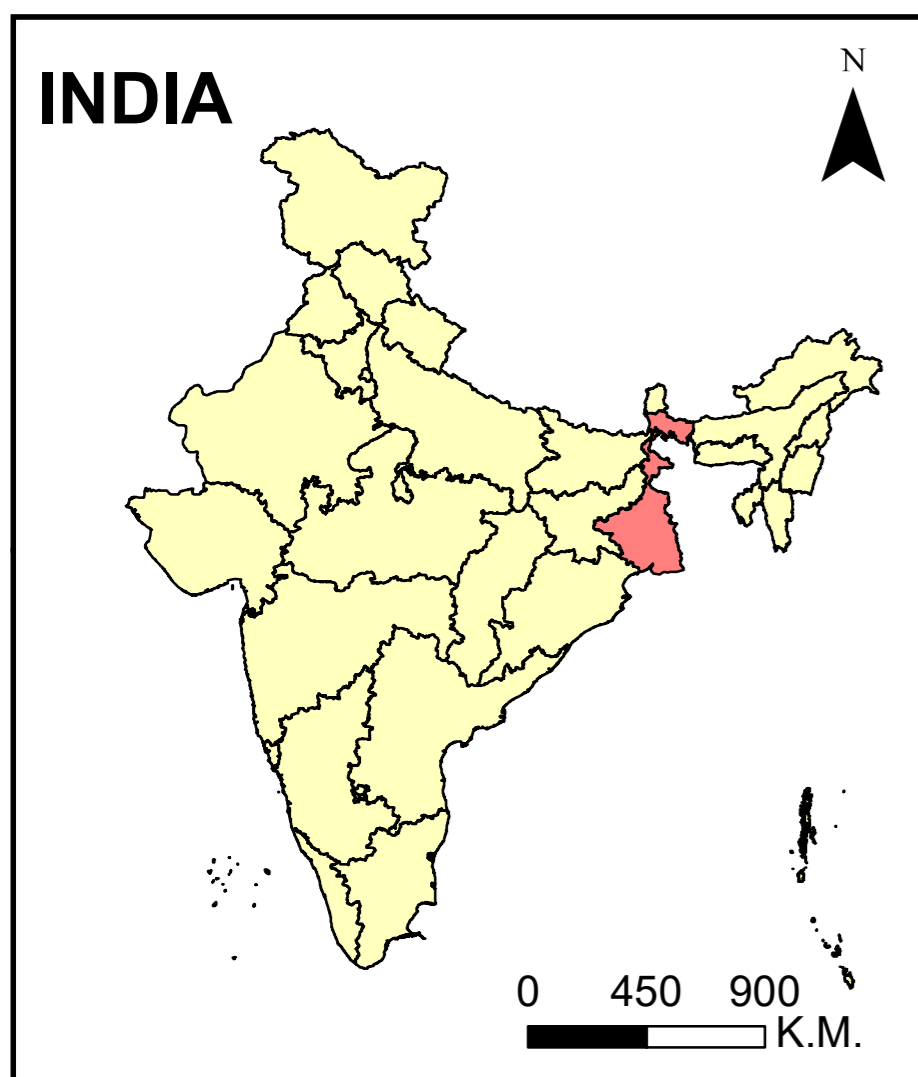


# GEOLOGICAL MAP WITH LANDSLIDE EVENTS

## DARJEELING DISTRICT, WEST BENGAL

PREPARED UNDER NATIONAL MISSION FOR SUSTAINING THE HIMALAYAN ECOSYSTEM PROJECT



- ⊙ District Headquarters
- Landslide Events with Location
- Administrative Boundary**
  - International Boundary
  - - - State Boundary
  - - - - Block Boundary
- Structures**
  - ↔ Main Boundary Thrust (MBT)
  - ↔ Main Central Thrust (MCT)
  - Lineaments
- Lithological Formation**
  - Blue: River and Its Channel
  - Light Green: Malda/Jalpaiguri/Ganga-Koshi Formation (Early-Late Holocene)/Alluvium (Sand, Silt & Clay)
  - Dark Green: Shaugaon Formation/Present Day Deposits (Present Day)/Alluvium (Sand Dominant)
  - Purple: Chalsa/Matiali/Thaljhora/Samsing Formation (Lt. Pleistocene- Er. Holocene) /Alluvium (Gravel Dominant)
  - Orange: Siwaliks (Pliocene-Eocene)/(Sandstone & Conglomerate)
  - Light Blue: Gondwana Super Group (Damuda Gr) (Permo-Carboniferous)/(Sandstone with Shale)
  - Light Orange: Daling Group (Reyang Formation) (Proterozoic)/(Phyllite)
  - Light Cyan: Daling Group (Gorubathan Formation) (Proterozoic)/(Schist)
  - Pink: Central Crystalline Gneissic Complex (Proterozoic)/(Granitoid Gneiss/Gneissic Granitoid/Granitoid Complex)

### DATA SOURCE

1. Geological Survey of India, District Resource Map (on scale 1:250,000)
2. MBT and MCT: OCBIS Portal, Geological Survey of India
3. High Resolution (Cartosat - 1 Pan + LISS-IV Mx) Orthorectified Satellite Images of 2011 - 2012
4. IRS - P6 LISS-III Satellite Images of 2015 - 2016
5. ASTER DEM of 2011
6. Survey of India Toposheet (on scale 1: 50,000)

### PREPARED BY

Geoinformatics & Remote Sensing Cell,  
Department of Science & Technology and Biotechnology,  
Government of West Bengal

