

Cumulative Heavy Rain Inundated areas in Part of West Bengal State

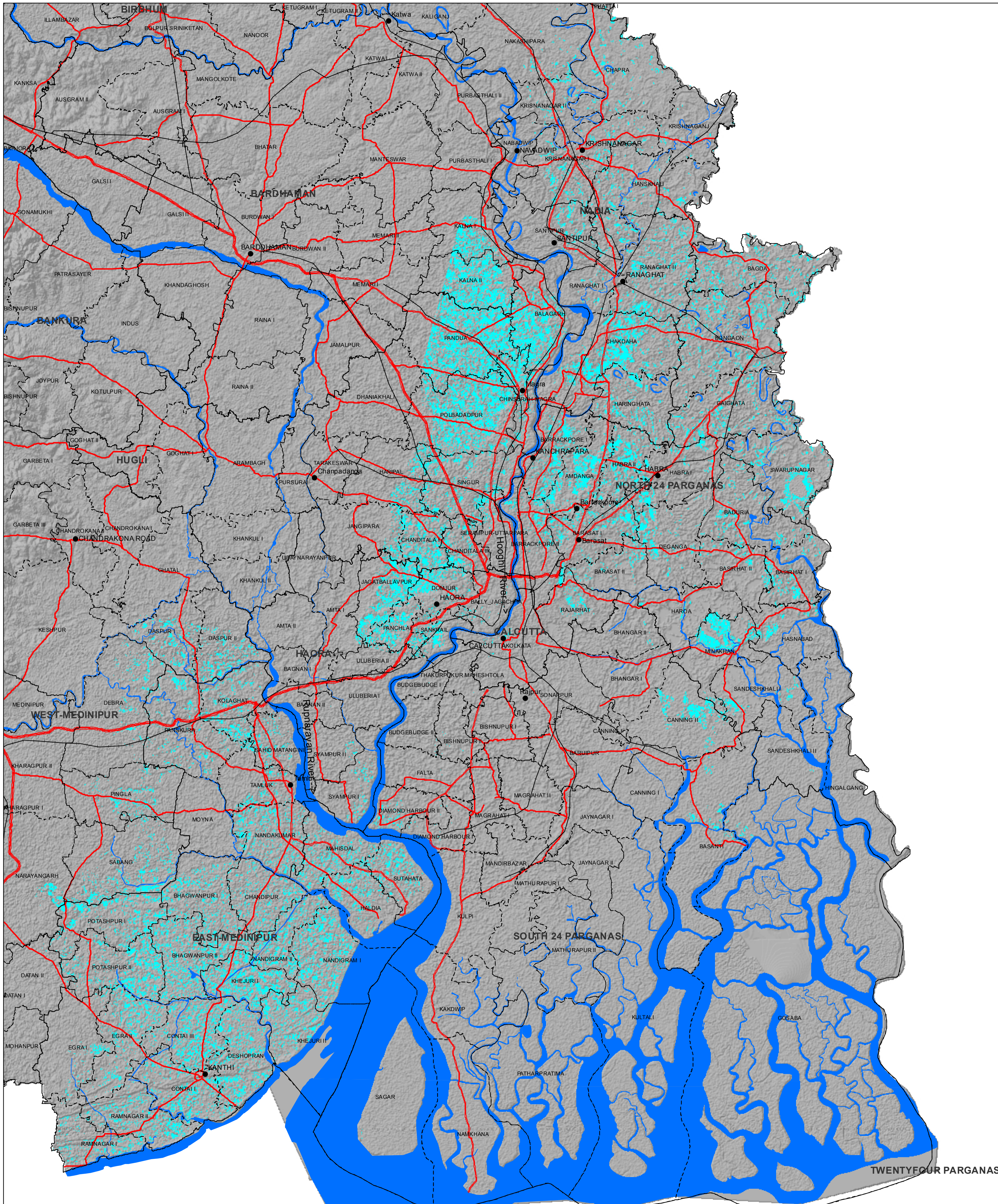
Based on the analysis of RADARSAT-2 SAR, ALOS2 PALSAR NOVASAR SAR, SENTINEL 1 SAR & Other sources of images of 21 & 22 -May-2020

For official use

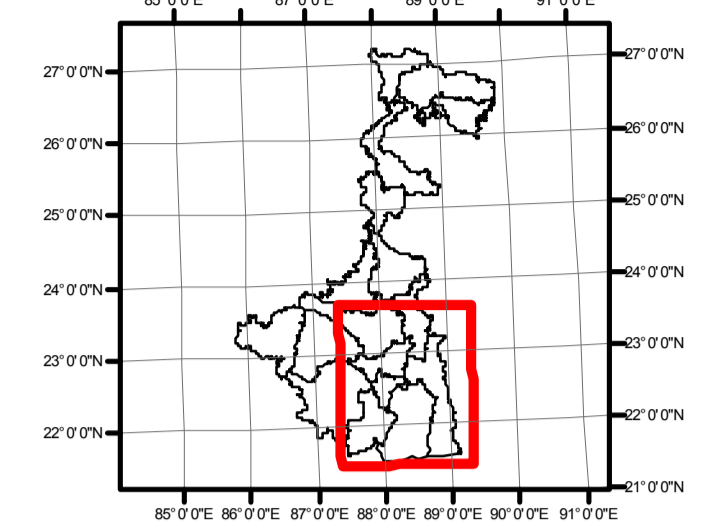
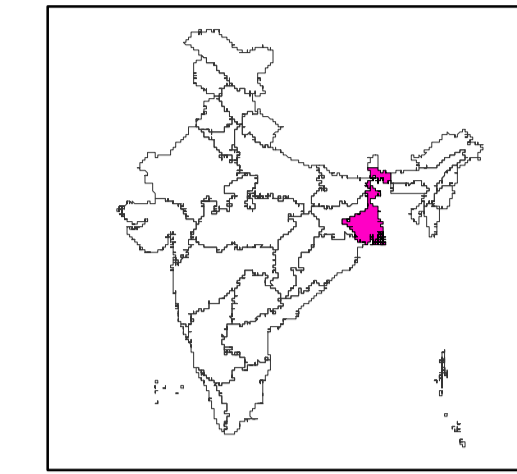
DISASTER EVENT ID: 01-CY-2020-WB/05

MAP ID: 2020/09

Date of Issue : 23.05.2020



Location Map



About the Event

Cyclone AMPHAN made the landfall between Digha in West Bengal and Hatia Islands of Bangladesh. Under the influence of the Cyclone, heavy incessant rains and wind induced damage were reported in various parts of West Bengal in the fourth week of May, 2020 (Source: News Media, CWC).

(Source: News Media)

Satellite Observations

This map highlights the inundation due to rains in 10 districts of West Bengal during 21 & 22 -May-2020 .

Satellite data used

Pre Cyclone:

Satellite: Resourcesat-2

Sensor: AWiFS

Date of Pass 01-Mar-2020

Other data used

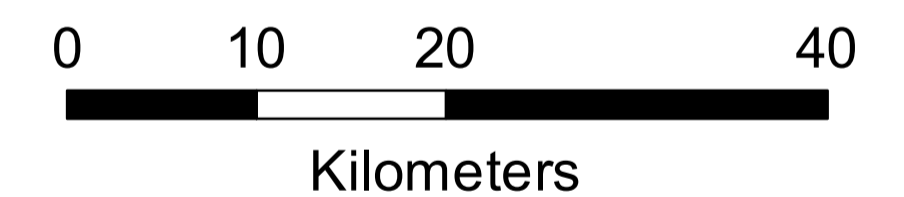
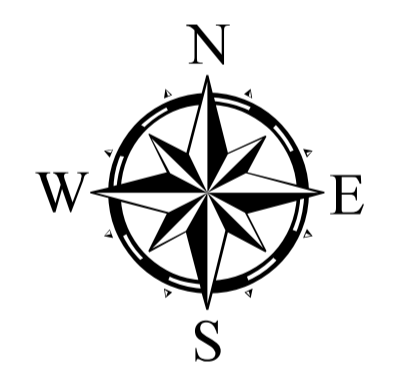
NRC Landuse/Landcover Data

Background Image : Shaded Relief

Post Cyclone:
 RADARSAT-2 SAR (C-band) 21-May-2020 (0600 Hrs)
 ALOS-2 PALSAR (L-Band) 21-May-2020 (1130 Hrs)
 SENTINEL-1 AR (C-band) 22-May-2020 (0600Hrs)
 NOVASAR SAR (S-band) 22-May-2020 (0430 Hrs)
 Other source

Legend

- Settlements
- State Boundary
- District Boundary
- - - Block Boundary
- Railways
- National Highway
- State Highway
- Major Rivers/Water Bodies
- Inundation



This product is prepared on rapid mapping mode for immediate use and sharing amongst official agencies. This provides preliminary results.

Inundation may include rain induced inundation / rain water in low lying areas.

All geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials.

No ground verification is done.

Note: When publishing this map as part of any report, source may be indicated as "NRSC (2020) - " Cumulative Heavy Rain Inundated areas in part of West Bengal State (as on 23 May 2020) dated 23.05.2020 Map no : 2020/09, NRSC/ISRO, Hyderabad

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