

Severe Weather Advisory for Bangladesh & NE India

Issued on Friday, 21st April 2017 at 07:00 local time.

Headline

Heavy rain and thunderstorms are expected to affect large parts of Bangladesh along with parts of NE India, particularly along the border with Bangladesh in the regions of Meghalaya, Mizoram and Manipur.

Impacts

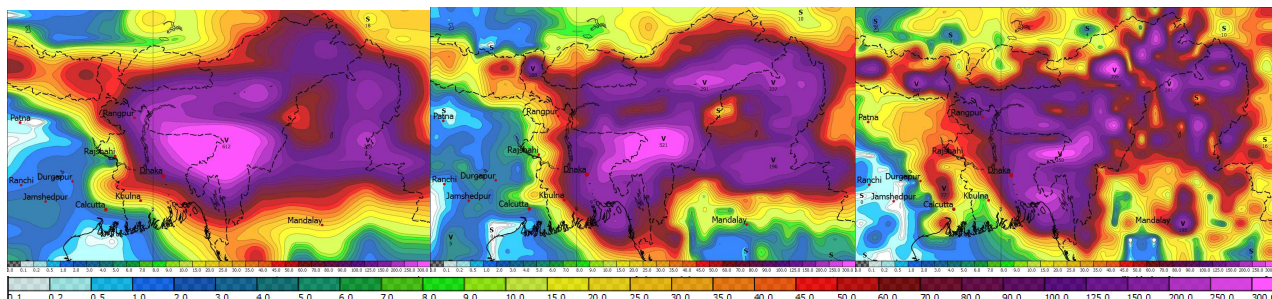
Initially localised flash flooding will be the main concern. However, as rainfall accumulations begin to build up, some response on the large river systems in northern Bangladesh is possible, leading to more widespread flooding later this weekend or early next week.

Severe thunderstorms, most likely in the southern Bangladesh and northern Myanmar bring additional hazards of large hail, strong winds and a low risk of tornadoes.

Discussion

There are reports of over 180mm of rain falling in a 15 hour period on Thursday across NE Bangladesh, which is the type of very heavy rainfall expected in this region through the next 4 days.

The heaviest rainfall is most likely across eastern and northern parts of Bangladesh and NE India, with the largest accumulations 500-750mm over high ground. Initially the main impact of the heavy rain will be to produce flash flooding in the immediate area of heaviest rainfall. However, as the rainfall eventually feeds into the complex river system of Bangladesh, flooding could eventually become more widespread. Below is a graphic of rainfall accumulations – from several different models – out to the end of Tuesday.



Total rainfall accumulation valid until 0000UTC on 26th April from the UKGM (left), EC (middle) and GFS (right). Good agreement between models for a heavy rainfall event in Bangladesh and NE India.

By early next week rainfall should become lighter and more sporadic, but flooding impacts may take several days after the event to peak, possibly not until the middle of next week.

Sources

Met Office, ECMWF, NCEP.

Issued at: 210600Z

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This forecast may be amended at any time

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