PRESS RELEASE - 4

Time of issue: 1800 hours IST  Dated: 23-10-2020

Sub: Depression over northwest Bay of Bengal crossed West Bengal – Bangladesh coast and lay centered over Bangladesh

Yesterday’s depression over northwest Bay of Bengal moved north-northeastwards, crossed West Bengal and adjoining Bangladesh coasts over Sundarbans near latitude 21.8°N and longitude 88.5°E around noon (between 1130 & 1230 hrs IST) of today, the 23rd October 2020 as a depression with maximum sustained wind speed of 45-55 kmph gusting to 65 kmph.

It moved across 24 Parganas Districts of West Bengal and lay centred at 1430 hrs IST of today, the 23rd October, 2020 over Bangladesh, near latitude 22.5°N and longitude 89.1°E, about 140 km northeast of Sagar Islands (West Bengal) and 130 km west-northwest of Khepupara (Bangladesh) and about 190 km southwest of Dhaka (Bangladesh).

It is very likely to move further north-northeastwards maintaining the intensity of Depression for next 12 hours and weaken thereafter into a Well Marked Low pressure area over Bangladesh.

Forecast track and intensity are given in the following table:

<table>
<thead>
<tr>
<th>Date/Time(IST)</th>
<th>Position (Lat. °N/ long. °E)</th>
<th>Maximum sustained surface wind speed (kmph)</th>
<th>Category of cyclonic disturbance</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.10.20/1430</td>
<td>22.5/89.1</td>
<td>45-55 gusting to 65</td>
<td>Depression</td>
</tr>
<tr>
<td>23.10.20/1730</td>
<td>23.0/89.4</td>
<td>30-40 gusting to 50</td>
<td>Depression</td>
</tr>
<tr>
<td>24.10.20/0530</td>
<td>24.0/90.1</td>
<td>20-30 gusting to 40</td>
<td>Well Marked Low</td>
</tr>
</tbody>
</table>

Warnings:

(i) Rainfall warning (for north-eastern States)

✓ **23rd October 2020**: Light to moderate rainfall at most places with heavy to very heavy falls (115.6-204.4 mm/day) at a few places and extremely heavy falls (>200 mm / Day) at isolated places very likely over Tripura, heavy to very heavy falls at a few places Nagaland, Manipur, Mizoram, south Assam & Meghalaya. Light to moderate rainfall at many places with heavy rainfall at isolated places likely over remaining districts of Assam.

✓ **24th October 2020**: Light to moderate rainfall at many places with **Isolated heavy falls** likely over Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura

(ii) Wind warning

✓ Squally winds speed reaching 45-55 kmph gusting to 65 kmph would occur over North Bay of Bengal during next 12 hours.
✓ Squally wind speed reaching 40-50 kmph gusting to 60 Kmph also very likely off north Odisha coast during next 06 hours and 45-55 kmph gusting to 65 kmph along & off West Bengal-Bangladesh coasts during next 12 hours.

(iii) Sea condition
✓ Sea condition will be rough to very rough over North Bay of Bengal during next 12 hours.
✓ Sea condition will be rough to very rough along & off north Odisha-West Bengal-Bangladesh coasts during next 12 hours.

(iv) Fishermen Warning
Fishermen are advised not to venture into North Bay of Bengal and along & off West Bengal-Bangladesh coasts during next 12 hours and off Odisha coast during next 06 hours.

(v) Impact expected over south Assam, east Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 23rd October, 2020:
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Possibility of Landslides in hilly areas of Northeastern states.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in cities.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Damage to horticulture and standing crops in some areas due to inundation and squally winds.
- It may lead to riverine flooding in some river catchments (for riverine flooding. Kindly visit website of Central Water Commission (http://www.cwc.gov.in/))
- For specific district wise impact kindly visit IMD’s sate level meteorological center websites (https://mausam.imd.gov.in/imd_latest/contents/departmentalweb.php) and national website (https://mausam.imd.gov.in/).

(vi) Action Suggested:
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face water logging problem and squally winds.
- Avoid staying in vulnerable structure

The system is under continuous surveillance and the concerned state governments are being informed regularly.

Kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in for updates on the system.
Depression (22.5°N, 89.1°E)

Spatial rainfall distribution:
- Isolated: <25%
- A few: 26-50%
- Many: 51-75%
- Most: 76-100%

Rainfall amount (mm):
- Heavy rain: 64.5 – 115.5
- Very heavy rain: 115.6 – 204.4
- Extremely heavy rain: 204.5 or more
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.