



India Meteorological Department
(Ministry of Earth Sciences)
BULLETIN NO. : 33 (BOB/05/2020)

TIME OF ISSUE: 0100 HOURS IST

DATED: 05.12.2020

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23012284, 23018638)
PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MOES, (FAX NO. 24629777)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
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CHIEF SECRETARY, TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO. 0413-2337575, 2334145)

Sub: Depression over Gulf of Mannar

The Depression over Gulf of Mannar close to Ramanathapuram District coast remained practically stationary during past 24 hours and lay centered at 2330 hrs IST of 04th December over Gulf of Mannar near Lat. 9.1°N and Long. 78.6°E close to Ramanathapuram District coast, about 40 km southwest of Ramanathapuram, 70 km west-southwest of Pamban. The associated wind speed is about 45-55 gusting to 65 kmph.

The Depression is likely to remain practically stationary over the same region and weaken into a Well Marked Low Pressure Area during next 12 hours.

Warnings:

(i) Rainfall

- Heavy to very heavy rainfall at isolated places very likely over Tamilnadu & Puducherry and Kerala & Mahe on 05th December.
- Heavy rainfall at isolated places very likely over south coastal Andhra Pradesh and Lakshadweep on 05th December.

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.

Sub-Divisions	05 Dec 2020*
Tamilnadu, Puducherry & Karaikal	Rainfall at most places with heavy to very heavy falls at isolated places
Kerala & Mahe	Rainfall at most places with heavy to very heavy falls at isolated places
South Coastal Andhra Pradesh	Rainfall at a few places with heavy rainfall at isolated places
Lakshadweep	Rainfall at most places with heavy falls at isolated places

(ii) Wind warning

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely along and off south Tamilnadu coast (Ramanathapuram, Thoothukudi, Tirunelveli and Kanniyakumari districts) during next 12 hours. It will gradually decrease to 30-40 kmph gusting to 50 kmph by 5th December Morning.
- Squally wind speed reaching 35-45 kmph gusting to 55 kmph very likely to prevail along & off south Kerala coast during next 12 hours.
- Squally wind speed reaching 35-45 kmph gusting to 55 kmph very likely over Lakshadweep-Maldives area and adjoining southeast Arabian Sea from early morning of 05th December.

(iii) Sea condition

- Sea condition is rough to very rough over Gulf of Mannar and adjoining southwest Bay of Bengal, along & off south Tamilnadu, west Sri Lanka coasts, Comorin Area, adjoining southeast Arabian Sea, Lakshadweep-Maldives areas and along & off Kerala coast during next 24 hours.

(iv) Fishermen warning and Action suggested

- Fishermen are advised not to venture into Gulf of Mannar & adjoining southwest Bay of Bengal and along & off south Tamilnadu, north Sri Lanka & south Kerala coasts and Lakshadweep-Maldives area & adjoining southeast Arabian Sea during next 24 hours.

The next bulletin will be issued at 0830 hrs IST of today, the 05th December, 2020.

(S.P. Singh)
Scientist-C, RSMC, New Delhi

Copy to: ACWC Kolkata/Chennai/CWC Bhubaneswar/CWC Visakhapatnam/CWC Thiruvananthapuram

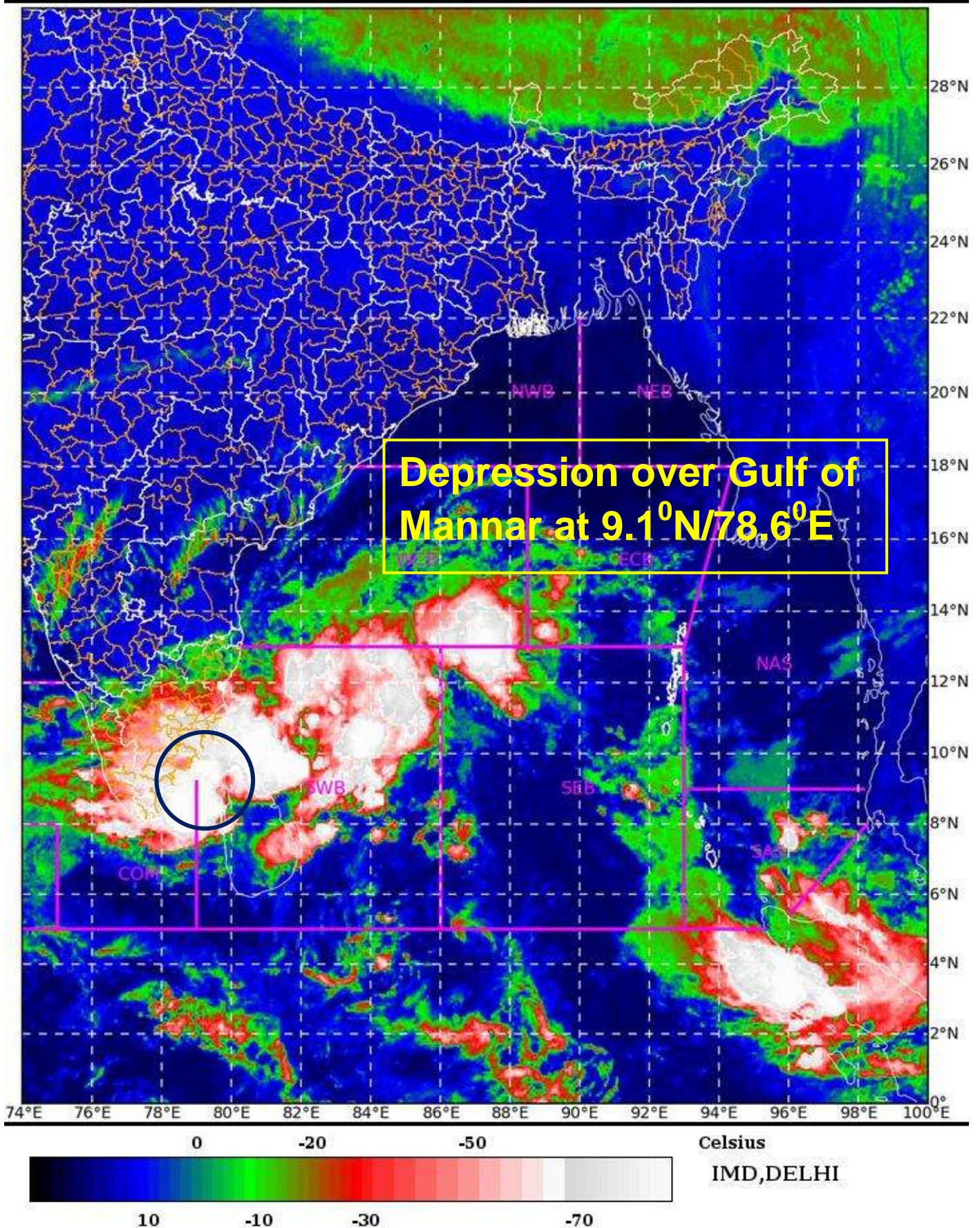
SAT : INSAT-3D IMG

04-12-2020/(1830 to 1856) GMT

IMG_TIR1_TEMP 10.8 um

05-12-2020/(0000 to 0026) IST

L1C Mercator



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



OBSERVED TRACK OF DEPRESSION OVER GULF OF MANNAR BASED ON 1800 UTC OF 4TH DECEMBER, 2020.



DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

● LESS THAN 34 KT
⌀ 34-47 KT
⌀ \geq 48 KT
— OBSERVED TRACK
— FORECAST TRACK
▲ CONE OF UNCERTAINTY

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