



**India Meteorological Department
(Ministry of Earth Sciences)**

BULLETIN NUMBER: 01 (BOB/04/2021)

TIME OF ISSUE: 2030 HOURS IST

DATED: 24.09.2021

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)
DIRECTOR GENERAL, AIR (23421105, 23421219)
PIB MOES (FAX NO. 23389042)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)
DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (FAX NO. 033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)
CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)
CHIEF SECRETARY, TELANGANA (FAX NO. 040-23453700)
CHIEF SECRETARY, CHATTISGARH (FAX NO 0771-2221206)
CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)**

**Sub: Depression over Eastcentral & adjoining Northeast Bay of Bengal: Pre-Cyclone
Watch for north Andhra Pradesh and adjoining south Odisha coasts.**

The well marked low pressure area over eastcentral & adjoining northeast Bay of Bengal concentrated into a Depression and lay centered at 1730 hrs IST of today, the 24th September 2021, over east-central and adjoining northeast Bay of Bengal near Lat. 18.3°N and Long. 91.2°E, about 670 km east-southeast of Gopalpur (Odisha) & 740 km east of Kalingapatnam (Andhra Pradesh).

It is likely to intensify into a Deep Depression during next 12 hours and intensify further thereafter. It is likely to move initially west-northwestwards during next 24 hours and west-southwestwards thereafter and cross south Odisha–north Andhra Pradesh coasts between Vishakhapatnam & Gopalpur around Kalingapatnam by evening of 26th September, 2021.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
24.09.21/1730	18.3/91.2	40-50 gusting to 60	Depression
25.09.21/0530	18.5/89.4	50-60 gusting to 70	Deep Depression
25.09.21/1730	18.7/87.6	60-70 gusting to 80	Cyclonic Storm
26.09.21/0530	18.6/85.8	70-80 gusting to 90	Cyclonic Storm
26.09.21/1730	18.4/84.1	70-80 gusting to 90	Cyclonic Storm
27.09.21/0530	18.6/82.4	45-55 gusting to 65	Depression
27.09.21/1730	19.4/80.7	35-45 gusting to 55	Depression

Warnings:

(i) Rainfall

- 25th Sept.: Light to moderate rainfall at most places with heavy rainfall at isolated places very likely over Odisha and Coastal Andhra Pradesh.
- 26th Sept.: Light to moderate rainfall at most places with heavy to very heavy falls at a few places & extremely heavy falls at isolated places very likely over south Odisha and north coastal Andhra Pradesh; heavy to very heavy falls at isolated places over Telangana and heavy falls at isolated places over north interior Odisha, Chhattisgarh & Telangana.
- 27th Sept.: Light to moderate rainfall at most places with heavy to very heavy & extremely heavy falls at isolated places very likely over south Chhattisgarh; heavy to very heavy falls at isolated places over Odisha & Telangana and heavy rainfall at isolated places over coastal West Bengal.

(ii) Wind warning

- 24th Sept: Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely over Eastcentral and adjoining northeast Bay of Bengal and Andaman Sea.
- 25th Sept: Squally wind speed reaching 50-60 kmph gusting to 70 kmph very likely over Northwest and adjoining Westcentral Bay of Bengal and increase gradually becoming gale wind speed reaching 60-70 kmph gusting to 80 kmph from the evening and 70-80 kmph gusting to 90 kmph from 26th morning till evening.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along and off Odisha-North Andhra Pradesh coasts from 25th morning. It will gradually increase becoming gale wind speed reaching 70-80 kmph gusting to 90 kmph from afternoon of 26th till midnight along & off north Andhra Pradesh & adjoining south Odisha coasts.

(iii) Sea condition

- Sea condition will be rough to very rough over east-central & adjoining northeast Bay of Bengal during next 24 hours.
- Sea condition will be rough to very rough over Northwest and adjoining Westcentral Bay of Bengal and along and off Odisha, West Bengal and North Andhra Pradesh coasts on 25th & high on 26th Sept.
- Sea condition will be rough to very rough over Northwest Bay of Bengal and along and off Odisha-north Andhra Pradesh coasts on 27th Sept.

(iv) Fishermen Warning

- The fishermen are advised not to venture into east-central & adjoining northeast Bay of Bengal and Andaman Sea on 24th and 25th Sept.
- The fishermen are advised not to venture into northwest & adjoining westcentral Bay of Bengal and along & off Odisha, West Bengal & North Andhra Pradesh coasts till 27th Sept.

(v) EXPECTED IMPACT & ACTION SUGGESTED due to very Heavy/Extremely heavy Rainfall over Odisha & Chhattisgarh on 26th & 27th September 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutchra roads. Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation and strong winds.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. 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 the water logging problems often.
- Avoid staying in vulnerable structure.
- Follow IMD warnings for updates

**(Sunitha Devi S.)
Scientist-F, RSMC, New Delhi**

Next bulletin will be issued at 0230 hrs IST of tomorrow, the 25th September, 2021.

Copy to: ACWC Kolkata/ Chennai/CWC Bhubaneswar/CWC Visakhapatnam/MC Ranchi/MC Hyderabad/MC Raipur

<p>LEGEND: Heavy Rainfall: 64.5 to 115.5mm, Very Heavy Rainfall: 115.6 to 204.4mm, Extremely Heavy Rainfall: 204.5mm or more. Many Places: 51% to 75% of the stations, Most Places: more than 76% of total stations, Isolated Places: Less than 25% of total stations</p>

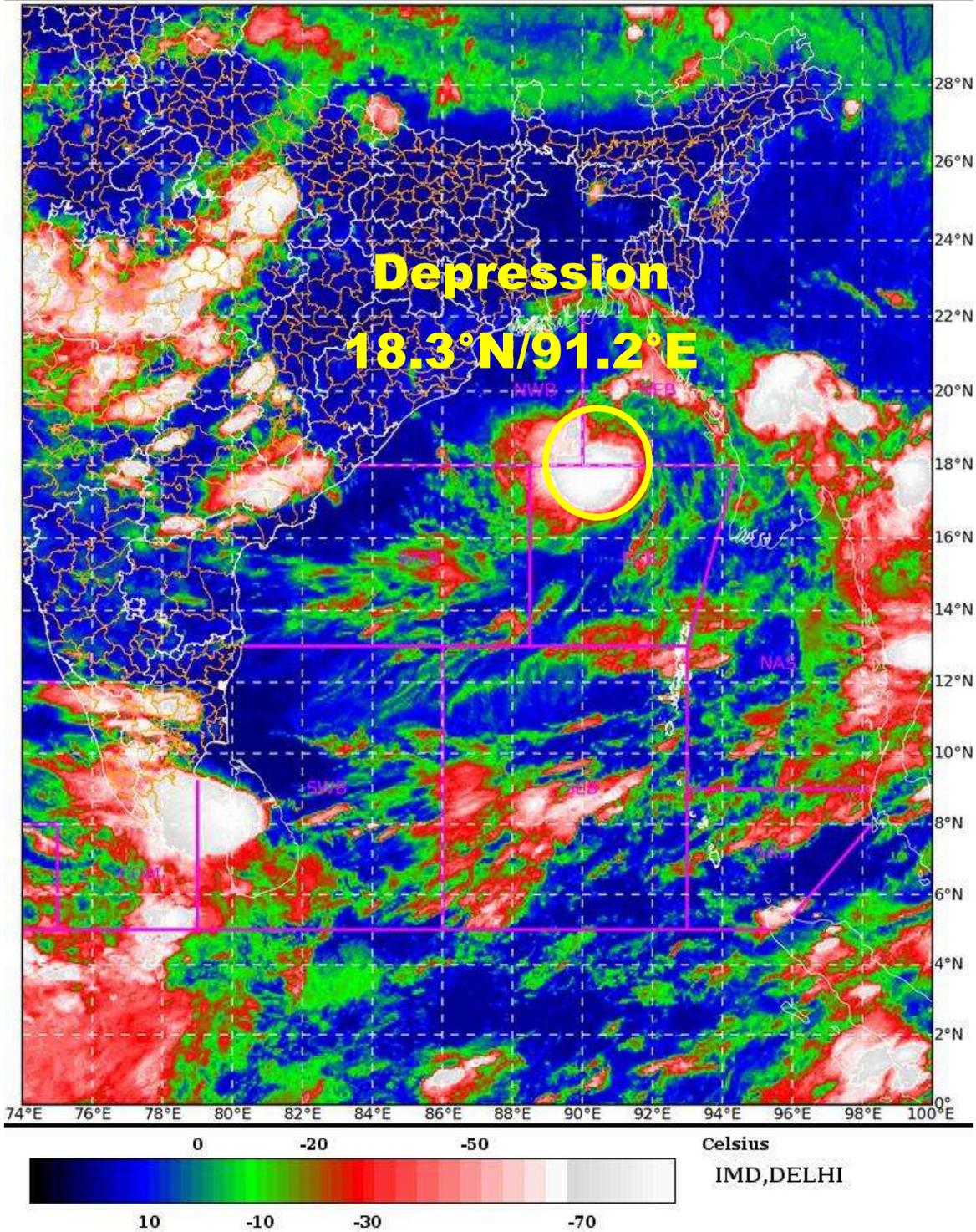
SAT : INSAT-3D IMG

24-09-2021/(1430 to 1456) GMT

IMG_TIR1_TEMP 10.8 um

24-09-2021/(2000 to 2026) IST

L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER EASTCENTRAL AND ADJOINING NORTHEAST BAY OF BENGAL BASED ON 1200 UTC OF 24TH SEPTEMBER, 2021



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 (≥ 120 KT)

● LESS THAN 34 KT
 ○ 34-47 KT
 ● ≥ 48 KT
 — OBSERVED TRACK
 — FORECAST TRACK
 — CONE OF UNCERTAINTY
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥ 118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥ 118)	Phenomenal	Total suspension of fishing operations

Sub-division wise heavy rainfall warning for next 5 days

