

இந்தியஅரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
6, கல்லூரி சாலை, சென்னை-600 006
தொலைபேசி: 044- 28271951



GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
NewNo.6,CollegeRoad,Chennai-600006
Phone: 044- 28271951

Date: 01st February 2023

Time of Issue: 12:20 IST

From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI

To:

The Commissioner of Revenue Administration, Govt of Tamilnadu
The Special branch CID, O/o the DGP Campus, Mylapore
The Commissioner of Chennai/IS-INSPECTORCONTROLROOM/
The Commissioner of Greater Chennai Corporation
(tnstateeoc1@gmail.com, tn.relief@gmail.com, iscrcni@gmail.com,
sbcid.city@gmail.com, commissioner@chennaicorporation.gov.in,
tndgpcontrolroom@gmail.com)
The Commissioner of fisheries
(tnfisheries@nic.in, FisheriesTamilNadu coffisheries@gmail.com)
The Chief Secretary, Puducherry
The Commissioner-cum-Secretary (Revenue), Puducherry
The Special Secretary to Government-cum-District Collector, Puducherry
The District Collector, Karaikal
(cs.pon@nic.in, secyfin.pon@nic.in, dcrev.pon@nic.in, collr.kkl@nic.in)

Sub: Depression over southwest Bay of Bengal

The Depression over Southwest Bay of Bengal moved west-southwestwards with a speed of 3 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 1st February, 2023 over the same region near latitude 8.2°N and longitude 82.6°E, about 110 km east-southeast of Batticaloa (Sri Lanka), 160 km east-southeast of Trincomalee (Sri Lanka) and 420 km southeast of Karaikal (India).

It is very likely to move slowly west-southwestwards and cross Sri Lanka coast between latitude 7°N to 8°N during evening of today, the 01st February 2023.

Under its influence, light to moderate rain is likely at *many* places over coastal Tamilnadu on 01st; and at many places over south Tamilnadu on 02nd February 2023 with **heavy rain** at *one or two* places over south Tamilnadu and delta districts during 01st & 02nd February 2023. Light to moderate rain is also likely at *one or two* places over rest Tamilnadu during the same period.

(i) Heavy rainfall warning:

Date	Warning
01.02.2023	Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thootukudi, Ramanathapuram, Sivaganga, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam & Mayiladuthurai districts of Tamilnadu and Karaikal area.

02.02.2023	Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thootukudi, Ramanathapuram and Thenkasi districts.
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(ii) Warnings for Wind& Sea conditions

Sea area	Warning
01.02.2023	Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph is likely over Southwest Bay of Bengal, and along & off Sri Lanka coast. Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Gulf of Mannar, Comorin area and Tamilnadu-Puducherry-Karaikal coasts. Sea condition is likely to be rough to very rough.
02.02.2023	Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely over southwest Bay of Bengal, Gulf of Mannar, Comorin area, along & off Sri Lanka coast and Tamilnadu-Puducherry-Karaikal coasts. Sea condition is likely to be rough to very rough.
03.02.2023	Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph over Gulf of Mannar, Comorin area and along & off south Tamil Nadu coast. Sea condition is likely to be rough to very rough during this period.

(iii) Fishermen warning:

Fishermen are advised not to venture into Southwest Bay of Bengal, Gulf of Mannar, Comorin area, along & off Sri Lanka coast and along & off Tamil Nadu –Puducherry-Karaikal coasts till 2nd February; Gulf of Mannar, Comorin area and along & off south Tamil Nadu coast on 03rd February.

IMD is continuously monitoring the situation and updates would be sent regularly.

Dr.S.BALACHANDRAN
Scientist-G & Head
Regional Meteorological Centre, Chennai

LEGEND:

Spatial rainfall distribution:

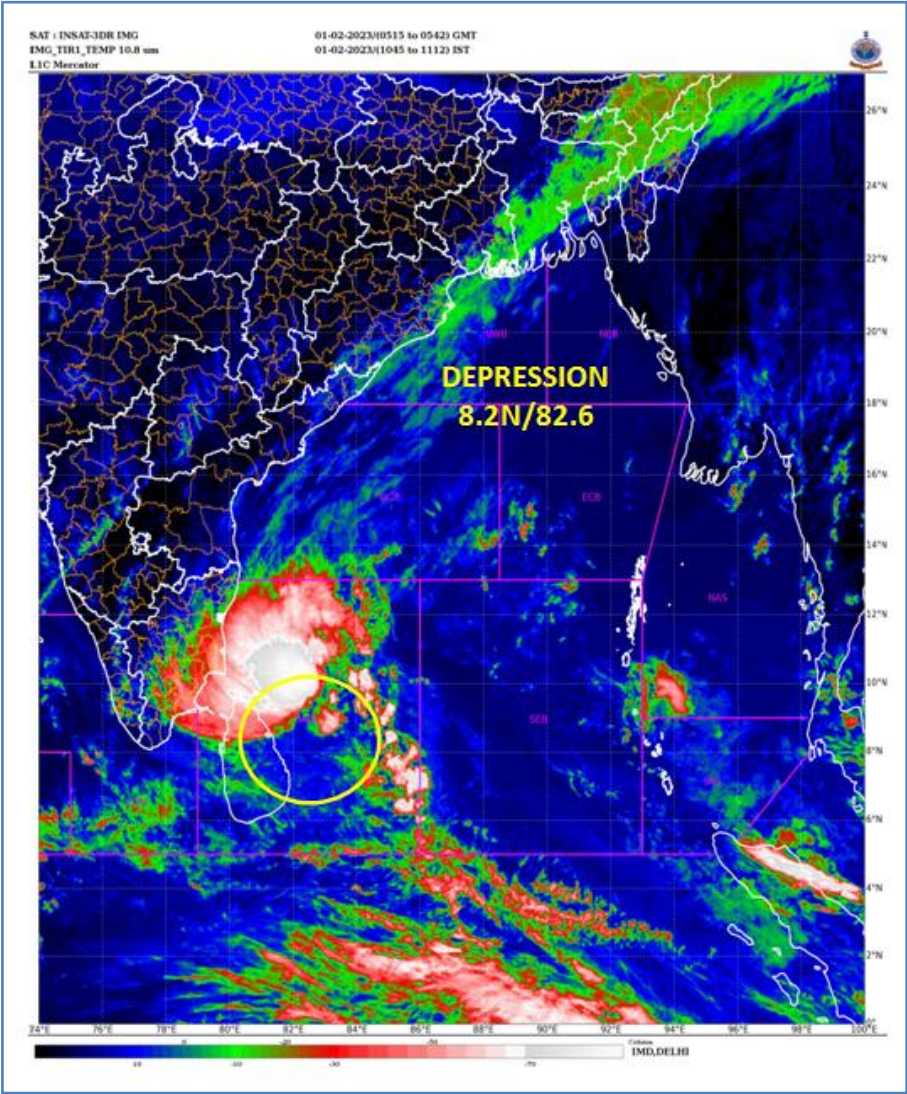
% Stations reporting Rainfall	Category
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL)
No Rain	Dry

Rainfall intensity:

Light rain	0.1-7.6 mm (upto 1 cm)
Moderate rain	7.7-64.4 mm (2- 6 cm)
Heavy rain	64.5 – 115.5 mm (7 – 11 cm)
Very heavy rain	115.6- 204.4 mm (12 - 20 cm)
Extremely heavy rain	>204.4 mm (21 cm or more)

Sea condition:

Descriptive term	Wave height in metres
Slight	0.5-1.25
Moderate	1.25- 2.5
Rough	2.5-4.0
Very rough	4.0-6.0
High	6.0-9.0
Very high	9.0-14.0
Phenomenal	Over 14





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF 01st FEBRUARY, 2023.



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 (48-63 KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

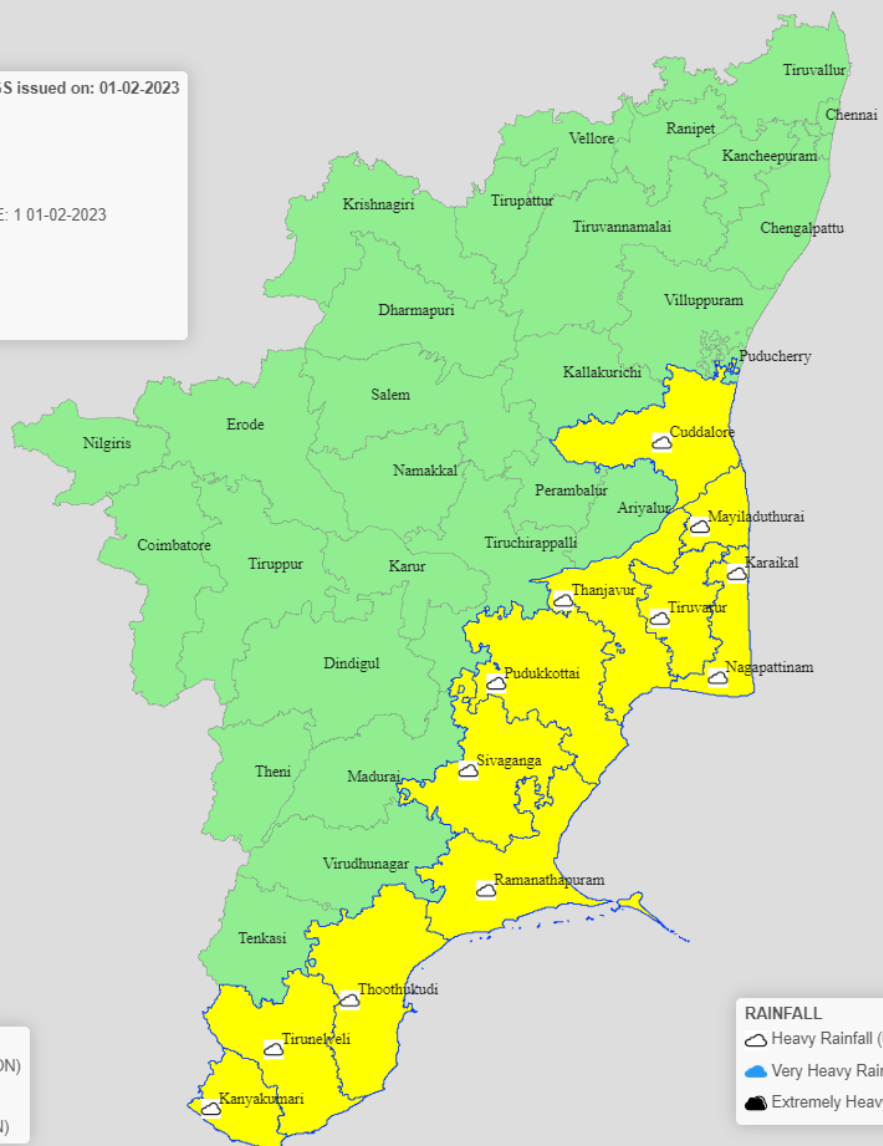
● LESS THAN 34 KT
● 34-47 KT
● ≥ 48 KT
— OBSERVED TRACK
— FORECAST TRACK
■ CONE OF UNCERTAINTY



HEAVY RAINFALL WARNINGS issued on: 01-02-2023



FOR DATE: 1 01-02-2023



WARNINGS

- NO WARNING (NO ACTION)
- WATCH (BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)

RAINFALL

- Heavy Rainfall (64.5 to 115.5) mm
- Very Heavy Rainfall (115.6 to 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm

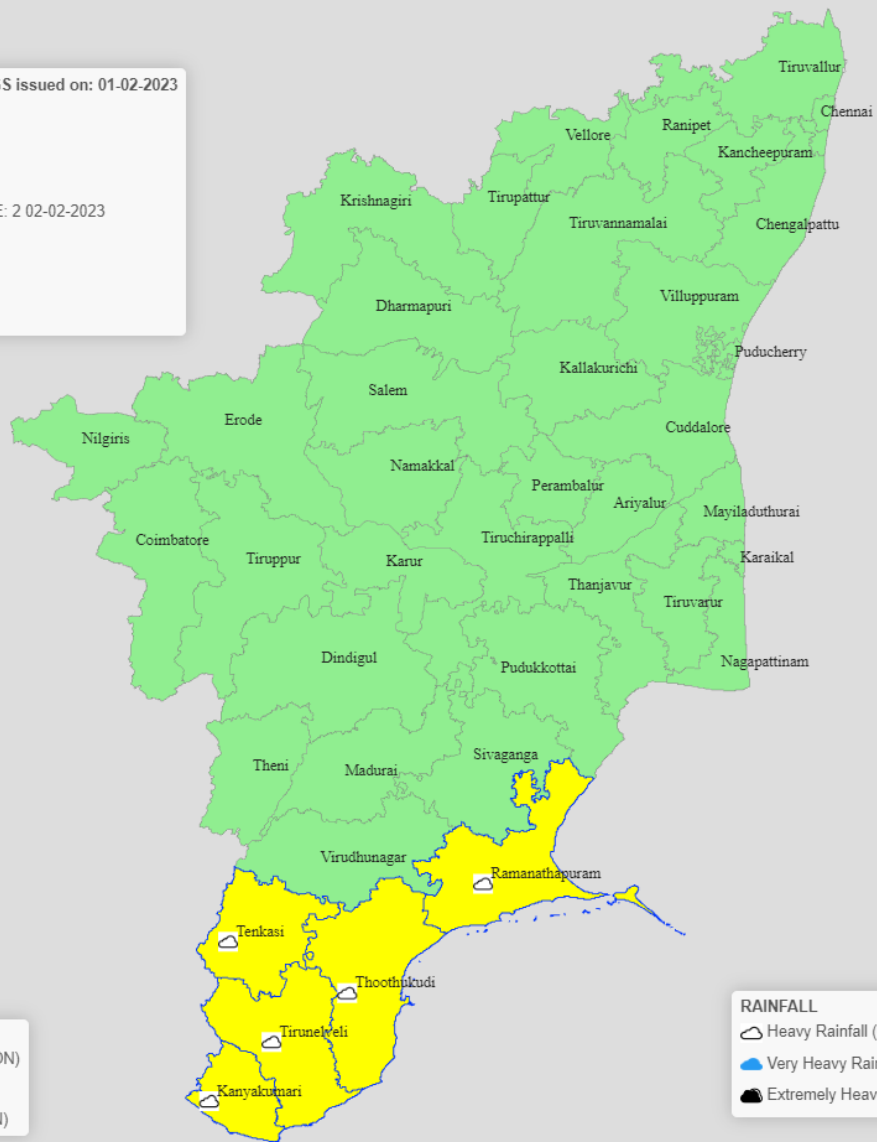


HEAVY RAINFALL WARNINGS issued on: 01-02-2023



FOR DATE: 2 02-02-2023

India Meteorological Department
Regional Met Centre, Chennai



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Leaflet



DEPRESSION OVER BAY OF BENGAL : FISHERMEN WARNING

INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE
CHENNAI

Date : 01/02/2023

FISHERMEN WARNING : 01.02.2023 - 02.02.2023



FISHERMEN WARNING : 03.02.2023

