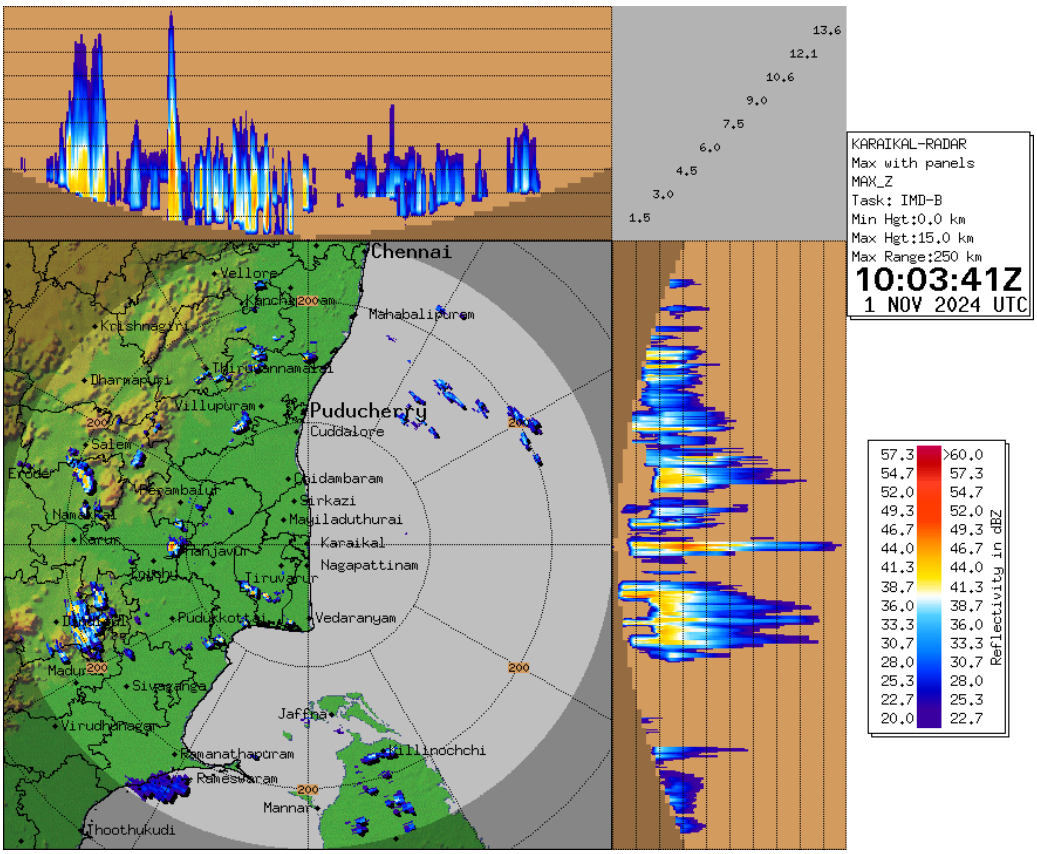
	இந்தியஅரசு இந்தியவானிலைஆய்வுதுறை மண்டலவானிலைஆய்வுமையம் 6, கல்லூரிசாலை, சென்னை600006 தொலைபேசி: 044- 28271951		**GOVERNMENT OF INDIA** INDIA METEOROLOGICAL DEPARTMENT Regional Meteorological Centre No. 6, College Road, Chennai–600006 Phone: 044- 28271951

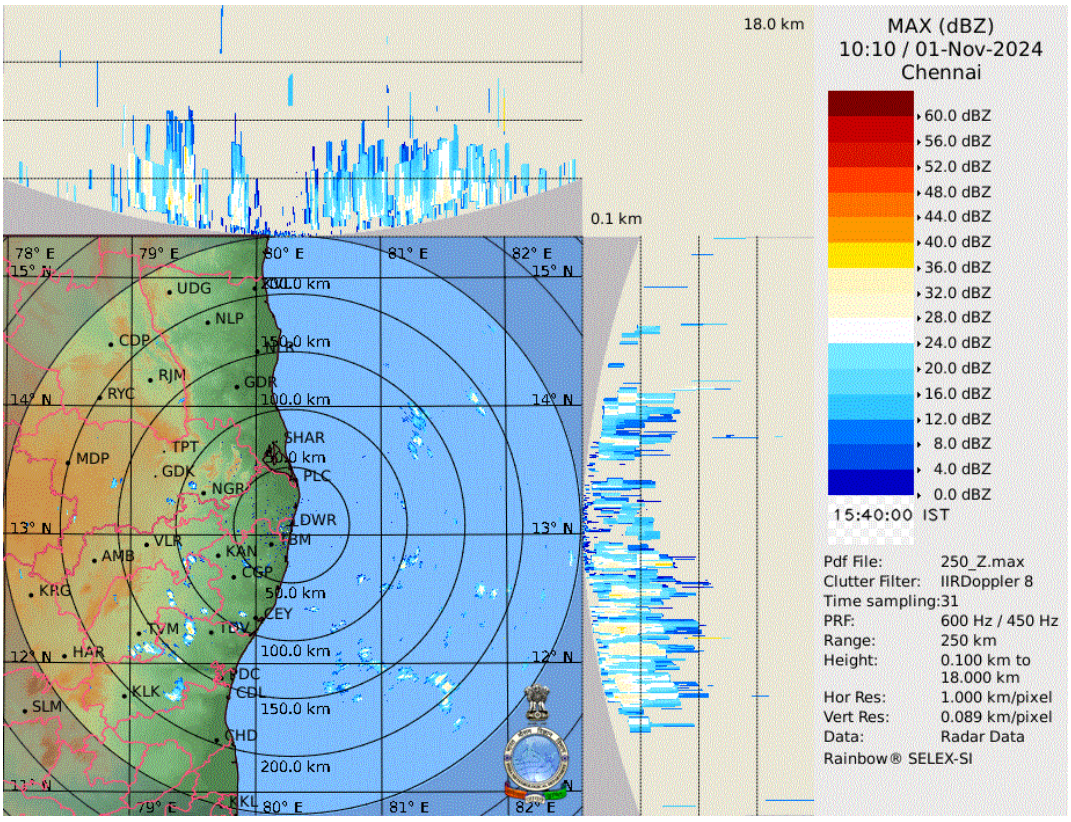
DATE: 01-11-2024	**Time of Issue: 16:00 hrs. IST**

Sub: Rain/Thunderstorm warning/Lightning warning

VALIDITY	WEATHER PHENOMENA (LIKELY/VERY LIKELY/MOST LIKELY)	DISTRICT AFFECTED (ISOLATED/A FEW/MANY/MOST PLACES)	IMPACT
Upto 19:00 hrs. IST of 01-11-2024	Moderate Thunderstorm & lightning with Moderate rain is very likely	At isolated places over **Ranippettai, Thiruvannamalai, Chengalpattu, Villupuram, Kallakkurichi, Cuddalore, Salem, Namakkal, Karur, Thiruchirapalli, Perambalur, Pudukkottai, Thanjavur, Thiruvarur, Nagapattinam, Dindigul, Madurai, Sivagangai, Ramanathapuram, Nilgiris, Coimbatore, Erode, Thiruppur, Theni, Virudhunagar, Tenkasi, Thoothukudi, Thirunelveli,** districts of Tamilnadu and **Puducherry**.	Water logging in some areas. Slippery roads in some areas. Traffic may be affected in some areas. Minor damage due to loose/unsecured structures.
	Light rain is likely	At isolated places over **Chennai, Thiruvallur, Kanchipuram and Kanyakumari** districts of Tamilnadu.	Slippery roads in some areas.

Duty Officer
For Director In-Charge
Regional Weather Forecasting Centre
Regional Meteorological Centre, Chennai


13.6
12.1
10.6
9.0
7.5
6.0
4.5
3.0
1.5
KARAIKAL-RADAR
Max with panels
MAX_Z
Task: IMD-B
Min Hgt:0.0 km
Max Hgt:15.0 km
Max Range:250 km
10:03:41Z
1 NOV 2024 UTC
Chennai
Vellore
Kanchi
Mahabalipuram
Krishnagiri
Dharmapuri
Tiruvannamalai
Villupuram
Puducherry
Cuddalore
Salem
Erode
Chidambaram
Sirkazi
Namakkal
Mayiladuthurai
Karur
Karaikal
Thanjavur
Nagapattinam
Tiruchirappalli
Tiruvarur
Pudukkottai
Vedaranyam
Madurai
Sivaganga
Jaffna
Virudhunagar
Kilinochchi
Ramanathapuram
Rameswaram
Mannar
Thoothukudi
57.3 >60.0
54.7 57.3
52.0 54.7
49.3 52.0
46.7 49.3
44.0 46.7
41.3 44.0
38.7 41.3
36.0 38.7
33.3 36.0
30.7 33.3
28.0 30.7
25.3 28.0
22.7 25.3
20.0 22.7
Reflectivity in dBZ


18.0 km
0.1 km
MAX (dBZ)
10:10 / 01-Nov-2024
Chennai
60.0 dBZ
56.0 dBZ
52.0 dBZ
48.0 dBZ
44.0 dBZ
40.0 dBZ
36.0 dBZ
32.0 dBZ
28.0 dBZ
24.0 dBZ
20.0 dBZ
16.0 dBZ
12.0 dBZ
8.0 dBZ
4.0 dBZ
0.0 dBZ
15:40:00 IST
78° E
79° E
80° E
81° E
82° E
15° N
14° N
13° N
12° N
11° N
UDG
NLP
CDP
RJM
GDR
RYC
TPT
MDP
GDK
NGR
PLC
VLR
AMB
KAN
CGP
KRG
CBE
TVM
TDV
HAR
PDC
KLK
GDL
SLM
CHD
KKL
50.0 km
100.0 km
150.0 km
200.0 km
Pdf File: 250_Z.max
Clutter Filter: IIRDoppler 8
Time sampling:31
PRF: 600 Hz / 450 Hz
Range: 250 km
Height: 0.100 km to 18.000 km
Hor Res: 1.000 km/pixel
Vert Res: 0.089 km/pixel
Data: Radar Data
Rainbow® SELEX-SI

Thunderstorm & Lightning: Do's and Don'ts

(i) If at home or work -

Preparation:

- ✓ Look for darkening skies and increased wind.
- ✓ If you hear thunder, you are close enough to be struck by lightning.
- ✓ Keep monitoring local media for updates and warning instructions.
- ✓ Stay indoors and avoid travel if possible.
- ✓ Close windows and doors, and secure objects outside your home (e.g. furniture, bins, etc.).
- ✓ Ensure that children and animals are inside.
- ✓ Unplug unnecessary electrical appliances (to isolate them from the main power supply which may conduct a power surge during a lightning storm).
- ✓ Remove tree timber or any other debris that may cause a flying accident.

Response:

- ✓ Avoid taking a bath or a shower, and stay away from running water. This is because lightning can
- ✓ travel along metal pipes. Keep away from doors, windows, fireplaces, stoves, bathtubs, or any other electrical conductors.
- ✓ Avoid using corded phones and other electrical equipment that can conduct lightning.

(ii) If Outdoor -

Response:

- ✓ Go to safe shelter immediately – avoid metal structures and constructions with metal sheeting.
- ✓ Ideally, find shelter in a low-lying area and make sure that the spot chosen is not likely to flood.
- ✓ Crouch down with feet together and head down to make yourself a smaller target.
- ✓ Hair standing up on the back of your neck could indicate that lightning is imminent.
- ✓ Do not lie flat on the ground; this will make a bigger target.
- ✓ Keep away from all utility lines (phone, power, etc.), metal fences, trees, and hilltops.
- ✓ Do not take shelter under trees as these conduct electricity.
- ✓ Rubber-soled shoes and car tyres do not offer protection from lightning.

(iii) If travelling -

Response:

- ✓ Get off bicycles, motorcycles or farm vehicles that may attract lightning.
- ✓ Get to a safe shelter.

- ✓ If boating or swimming, get to land as quickly as possible and take shelter.
- ✓ During a storm, remain in your vehicle until help arrives or the storm has passed (the metal roof will provide protection if you are not touching metal inside); windows should be up; park away from trees and power lines.

(iv) If struck by lightning -

Treatment:

- ✓ Take the person who is struck by lightning to a hospital.
- ✓ If possible, give basic First Aid.
- ✓ People struck by lightning carry no electrical charge and can be handled safely.
- ✓ Check for broken bones, loss of hearing and eyesight.
- ✓ A victim of a lightning strike can suffer varying degrees of burn. Check the impact point and where the electricity left the body for injury marks.

(pl visit https://ndma.gov.in/Resources/awareness/lightning/visuals)