भारत सरकार
भारतीय मौसम विज्ञान विभाग
प्रादेशिक मौसमविज्ञान केन्द्र
नं: 6, कालेज रोड, चेन्नै – 600006
दूरभाष : 044- 28271951

GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
No. 6, College Road, Chennai–600006
Phone: 044 - 28271951

இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
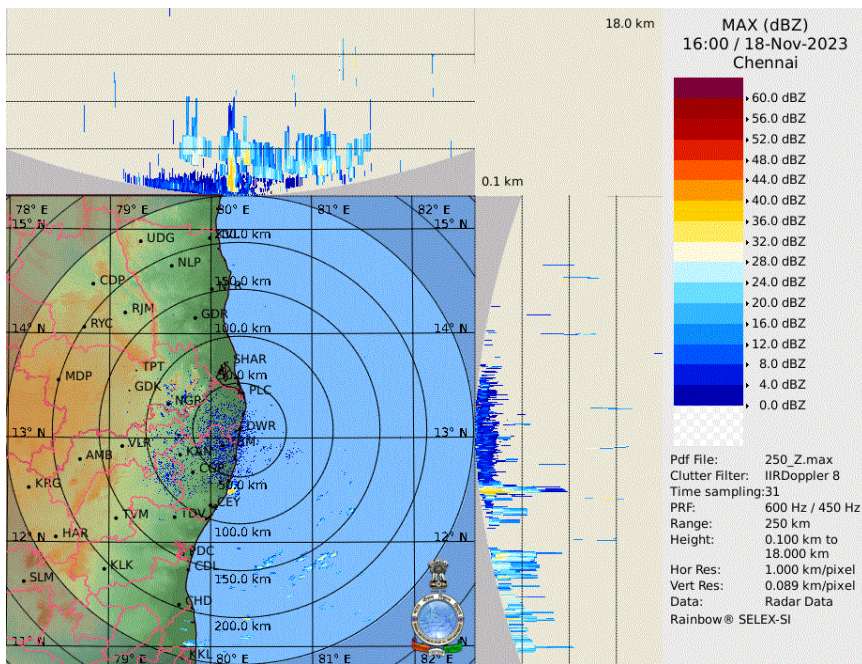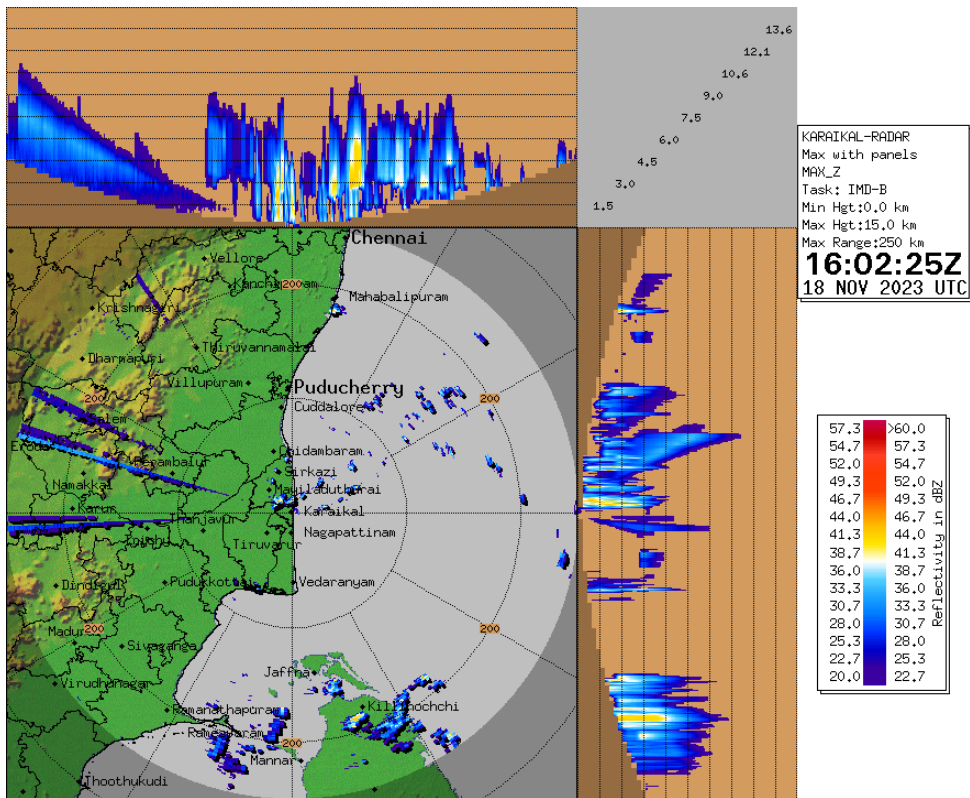மண்டல வானிலை ஆய்வு மையம்
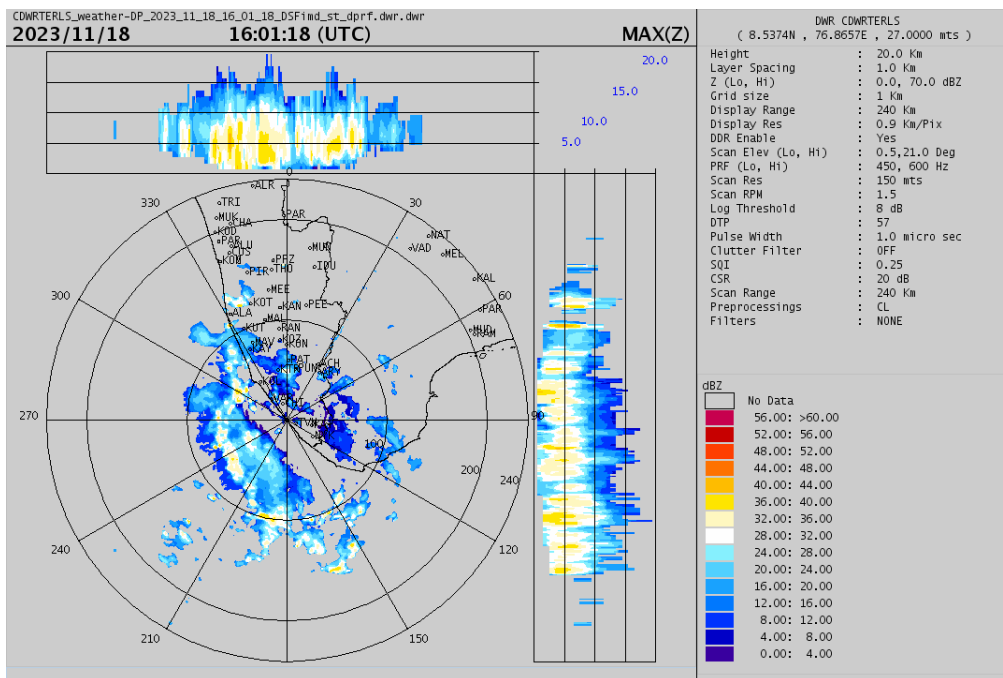6, கல்லூரி சாலை, சென்னை600006 -

DATE :18-11-2023	Time of issue :2200 Hrs IST

Sub: Rain/Thunderstorm warning/Lightning warning

VALIDITY	SEVERE WEATHER PHENOMENA (VERY LIKELY/MOST LIKELY)	DISTRICT AFFECTED (ISOLATED/A FEW/MANY PLACES)	IMPACT
3 hrs (upto 0100 hrs IST of 19.11.2023)	Light Thunderstorm and lightning with Light to moderate rain is very likely	Isolated places over Chengalpattu, Kancheepuram, Villupuram , Cuddalore, Mayiladuthurai, Nagapattinam ,Tiruvaur, Thanjavur , Ramanathapuram, Kanniyakumari,Tirunelveli,Tenkasi,Toothukudi and Virudunagar districts of Tamilnadu,Karaikal 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.
3 hrs (upto 0100 hrs IST of 19.11.2023)	**Light rain is very likely**	Isolated places over Chennai and Tiruvallur districts of Tamilnadu.	NIL.

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

KARAIKAL-RADAR
Max with panels
MAX_Z
Task: IMD-B
Min Hgt:0.0 km
Max Hgt:15.0 km
Max Range:250 km
16:02:25Z
18 NOV 2023 UTC

Reflectivity in dBZ

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

MAX (dBZ)
16:00 / 18-Nov-2023
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

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)