

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, சென்னை 600006 -

DATE :19-11-2023

Time of issue :0650 Hrs IST

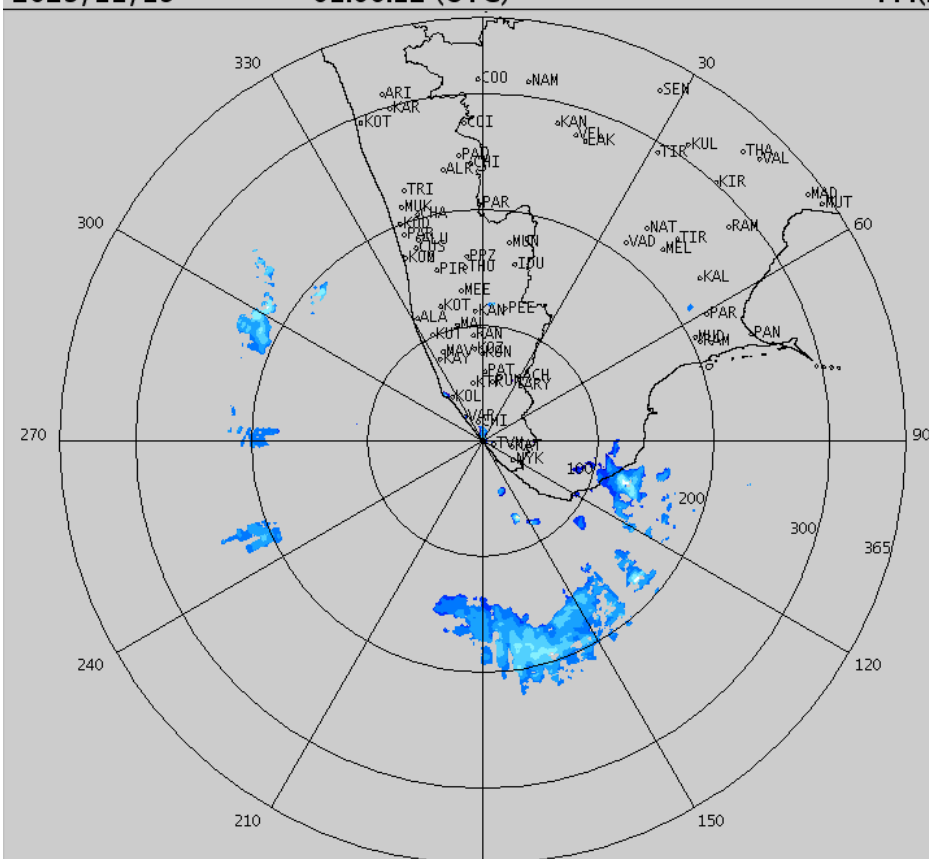
Sub: Rain/Thunderstorm warning/Lightning warning

VALIDITY	SEVERE WEATHER PHENOMEN A (VERY LIKELY/MOST LIKELY)	DISTRICT AFFECTED (ISOLATED/A FEW/MANY PLACES)	IMPACT
3 hrs (upto 1000 hrs IST of 19.11.2023)	Moderate Thunderstorm and lightning with moderate rain is very likely	Isolated places over Ramanathapuram district of Tamilnadu.	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 1000 hrs IST of 19.11.2023)	Light Thunderstorm and lightning with Light to moderate rain is very likely	Isolated places over Mayiladuthurai, Nagapattinam, Tiruvrur, Thanjavur , Pudukottai ,Toothukudi, Kanniyakumari and Tirunelveli districts of Tamilnadu and Karaikal.	Water logging in some areas. Slippery roads in some areas. Traffic may be affected in some areas. Minor damage due to loose/unsecured structures.

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

PPI(Z)

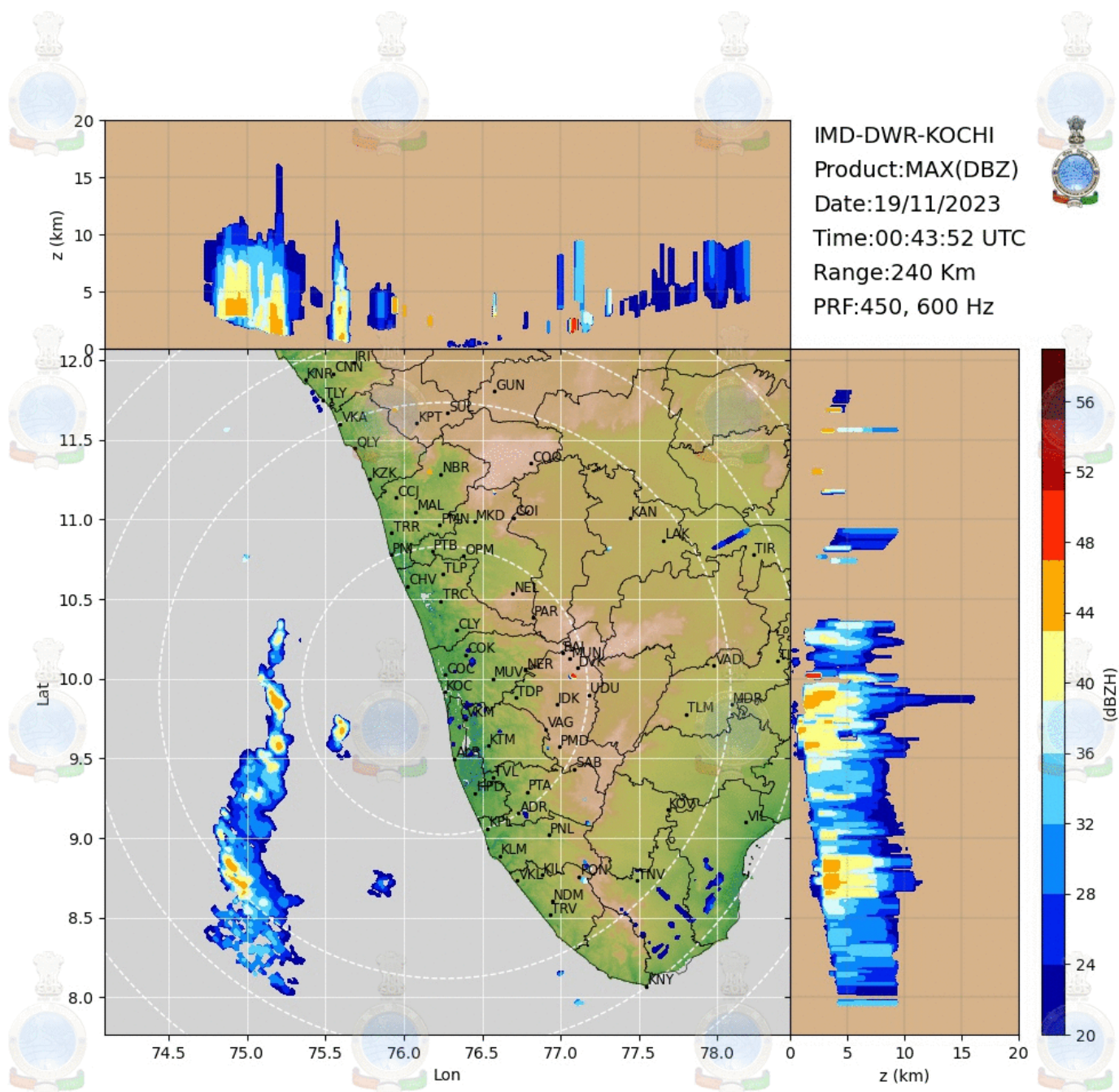
DWR CDWRTERLS
(8.5374N , 76.8657E , 27.0000 mts)

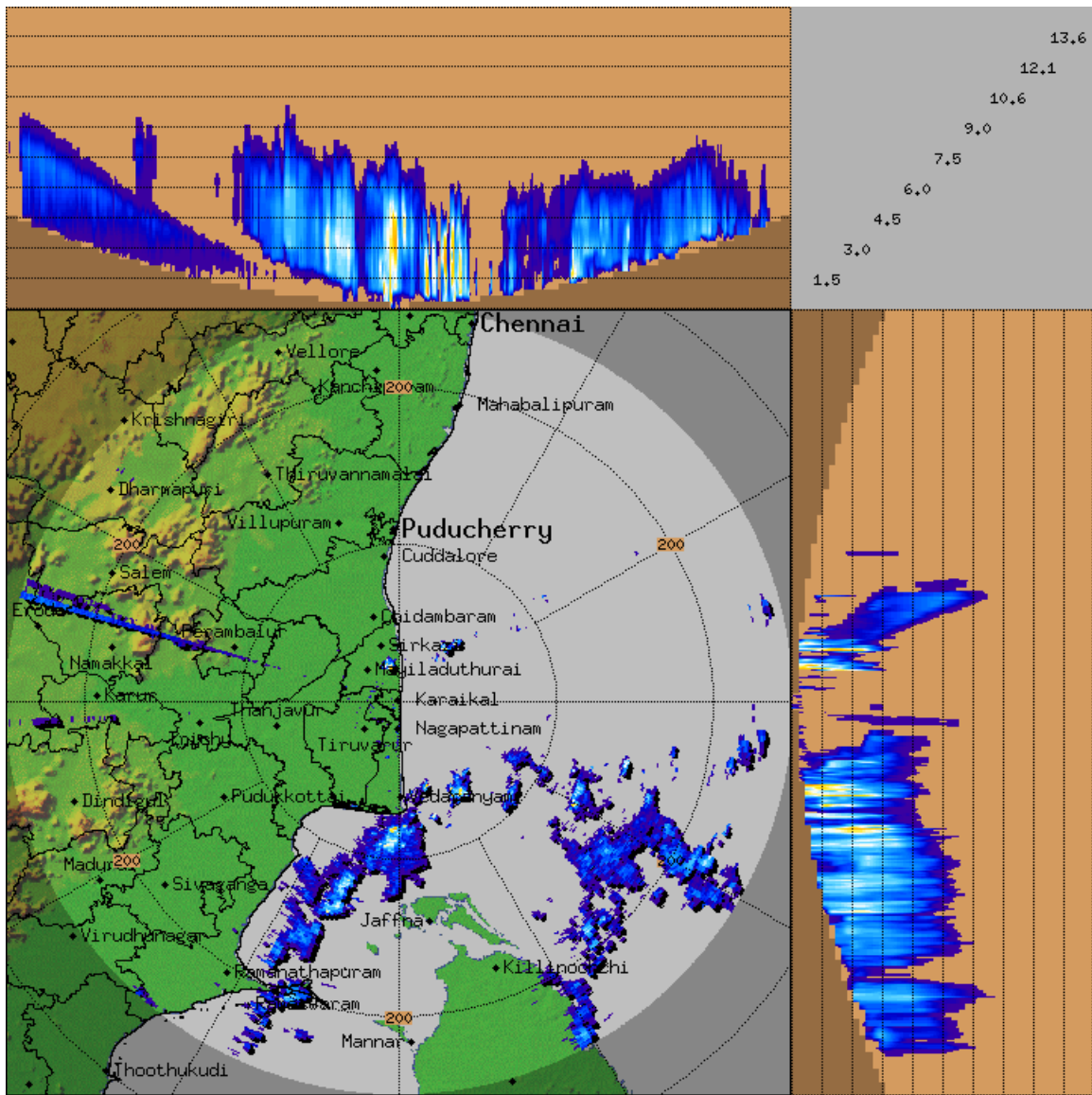


Elevation	: 2.0 Deg
Z (Lo, Hi)	: 0.0, 70.0 dBZ
Display Range	: 365 Km
Display Res	: 1.1 Km/Pix
DDR Enable	: Yes
Scan Elev (Lo, Hi)	: 0.5, 2.0 Deg
PRF (Lo, Hi)	: 0, 400 Hz
Scan Res	: 300 mts
Scan RPM	: 1.5
Log Threshold	: 8 dB
DTP	: 44
Pulse Width	: 2.0 micro sec
Clutter Filter	: OFF
SQI	: 0.25
CSR	: 20 dB
Scan Range	: 365 Km
Preprocessings	: CL
Filters	: NONE

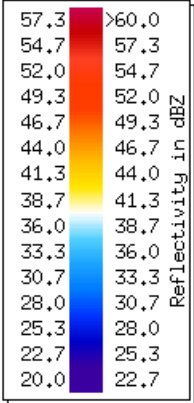
A vertical color scale legend for dBZ values. The scale ranges from 0.00 (dark purple) at the bottom to 56.00 (dark red) at the top. The colors transition through blue, green, yellow, and orange. The text 'dBZ' is at the top left. The values are listed on the right side of the scale.

Color	dBZ Range
Dark Purple	0.00 : 4.00
Dark Blue	4.00 : 8.00
Blue	8.00 : 12.00
Light Blue	12.00 : 16.00
Light Blue	16.00 : 20.00
Light Blue	20.00 : 24.00
Light Blue	24.00 : 28.00
White	28.00 : 32.00
Yellow	32.00 : 36.00
Yellow	36.00 : 40.00
Orange	40.00 : 44.00
Orange	44.00 : 48.00
Red-Orange	48.00 : 52.00
Red	52.00 : 56.00
Dark Red	>60.00





KARAIKAL-RADAR
Max with panels
MAX_Z
Task: IMD-B
Min Hgt:0.0 km
Max Hgt:15.0 km
Max Range:250 km
01:02:25Z
19 NOV 2023 UTC



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>)