

**DEPARTMENT OF PHYSICS
SCNM GDC, ANARAYANAPET**

OUTREACH PROGRAMME

TOPIC: HOW TO PROTECT FROM ELECTRICAL SHOCK DURING RAINY SEASON

Electricity and water are a dangerous combination, and using electrical appliances near water can be a matter of life and death. People in slums of town, rural area are sometimes unaware of electric shocks near electric transformers, electric poles and electric motor pump sets. This danger is usually caused because of rain during rainy season. Students of the Physics Department have thought of this dangerous problem to persons and families. They have chalked out plans to give safety measures to people in Narayanapet town and nearby villages.

The students of Department of Physics advising the general public that they should always be cautious in order to avoid electricity related accidents during this rainy season by observing the following safety tips.

Here is what people should do:

- 1 Insist on electrical gadgets with an ISI mark. Don't Purchase devices without the standardisation, as their manufacturing standards cannot be trusted or determined.
- 2 Inspect your homes electrical wiring, and call an electrician to renew any wires that are deteriorating.
- 3 All electric installations with a connection load of 5 KW and above should have an earth leakage protection device.
- 4 special cares should be taken when digging the ground near underground electric cables

Here is what People should not do:

- 5 Avoid fallen electricity poles and power lines or anything in contact with these
- 6 Do not lift up low lying power lines
- 7 Do not jump over, go under, or touch broken or low hanging electricity power lines.
- 8 Not to touch water or anything in contact with water near where there is a downed power line.
- 9 Don't use an electric wire as a clotheslines or electric poles as support to pandals.or for displaying advertising, or for securing poultry/domestic animals.
- 10 Don't get close, or touch electrical poles, and stay away from wires and fencing.
- 11 Do not park vehicles/ trucks near transformer structures or overhead electrical linesman carry out loading/unloading of materials?