About Workshop

operations, and for development of field level feedback hailstorms for the benefit of public and agricultural Extreme Weather Events such as heat waves, thunder and and dissemination of Districts/ mandal level advisories on advisories/warnings through multi channels, preparation quality of dissemination of various weather with Indian Meteorological Society (IMS), UNICEF,IMD Extreme Weather Events with Reference to Heat Wave over Hyderabad and State Disaster Management Department on " the periodic workshop for this year-2019 in collaboration conditions and to take precautionary measures by organising in preparation of action plan to face adverse seasonal In continuation of the convergent efforts made by the TSDPS Telangana State" by involving all Stakeholders, officials from ine departments to discuss related issues to improve the

and Academicians from University of Hyderabad, JNTU, Members and Media etc., GITAM, VBIT, domain experts, Research Scientists, IMS Department (IMD), INCOIS, CRIDA, NRSC, UNICEF, PJTSAU institutions and NGO's viz., Indian Meteorological Government Departments, Scientific and academic participants with expertise in diverse fields from various The workshop is expected to be participated by about 250

Telangana Climatic Conditions

Climate change and its variability are also considered to be storms, hailstorms, drought, heavy rainfall and strong winds. is prone to various disasters such as heat waves, thunder characterized by hot summers with relatively mild winters. It hot and dry climate. The area covered by the Deccan Plateau is the greatest challenge to the state. Telangana State is a semi-arid zone and has predominantly

Relief Operations

and the services of NGOs also utilized in establishing drinking water distribution centers, Medical aid etc., Administration are implementing necessary relief measures extreme events, the line departments viz., Revenue, Medical & Health, Panchayath Raj, Animal Husbandry, Municipal To reduce the casualties from the heat waves and other

Heavy Rains/Flash Floods

Telangana and cause local floods and inundation of colonies monsoon season adversely affect the districts/cities of Heavy rains caused due to thunder/hailstorms in pre-

maximum temperature of 45oC or more reached in a station only after the maximum temperature of a station reaches at during the months of April - June. Heat wave is considered as Severe Heat wave. is considered as Heat wave and more than 47oC is considered least 40oC for plains, 30oC for hilly regions. When the actual involving 'spells of abnormally high temperatures that occur Heat wave is defined as a climatologically extreme event

region specific threshold values for declaration of heat waves based on Mortality / Morbidity rates. wave affects. TSDPS will take up the exercise in fixing the played a significant role in improving the mitigation of Heat programs through media, conducting of workshops have the weather alerts to the officials/public, public awareness due to improvement in weather forecast, dissemination of measures taken by the Government. It is also observed that casualties due to timely early warnings and precautionary 3 years there is considerable decrease in the number of for heat waves during the months of April and May. In the last Khammam, Adilabad and Nalgonda districts are most prone Telangana State the erstwhile Districts of Karimnagar

LED Weather Display Boards

is applicable for Temparature and Rainfall per the intensity of the weather conditions. The Colour Code Hyderabad. The following colour code will be displayed as District Collector Offices and other prominent places in Public and Official use the LED boards were installed in all the For Transmission of Real time Weather updates and alerts for

<u> Maximum Temperature</u>



Thunderstorms

sufficient humidity is available around. They are rains, gale winds as strong as 150 kmph uproot trees and characterized by tall clouds, lightning and thunder, Heavy Cumulonimbus clouds when atmosphere is instable and Thunderstorms occur frequently during the pre-monsoon cause damages to property and loss of life. season of March to May due to vertical development of

Hailstroms

every year during the months March - June. damage to properties and agriculture/horticulture crops or mixed precipitation. The heavy balls of ice cause severe taller and violent than thunderstorm clouds and give solid Hailstorms also have similar characteristics thunderstorms except that the Cumulonimbus clouds are

Urban Flooding

collaboration with IIT, Mumbai, IISC, Banglore, GHMC, NIT Warangal, IMD Hyderabad and NRSC. Integrated Urban Flooding study is initiated by TSDPS in rain spells (>50 mm/hour) in short periods due to localised Flash floods in urban areas occur due to extremely intense weather phenomena like thunderstorms, cloudburst etc

IMD Activities:

weather related activities.. works in coordination with other agencies like TSDPS in meteorological statistics to concerned activities. IMD also cause destruction to life and property. Provides heavy rainfall, floods, heatwaves and cold waves which phenomena like thunderstorms, hailstorms, lightening Early warnings are issued against severe weather agriculture shipping, aviation, offshore oil explorations etc days to months) to weather sensitive activities like 3 days), medium range(3-10 days) and extended range (10 nowcast(0-3 hours) for cities and districts, short-range (0meteorological observations and provides forecast such as in all the matters relating to meteorology. Takes 1875, is the national meteorological service of the country India Meteorological Department that established in