

26 AUG 2019



GOVERNMENT OF KERALA

Abstract

Science and Technology Dept - Committee to examine the causes of repeated extreme heavy rainfall events, subsequent floods and land slides and to recommend appropriate policy responses - Constituted-Order issued .

SCIENCE AND TECHNOLOGY (A) DEPARTMENT

G.O.(Rt)No.42/2019/S&TD Dated, Thiruvananthapuram, 22/08/2019

Read : Proposal No.PrI. Secy/S&T/4/2019 dated 19/08/2019

ORDER

A comprehensive study, based on concrete and scientific validation, seems requisite to deal with extreme heavy rainfall events, and subsequent floods and land slides, by an interdisciplinary team of experts from among the following areas of expertise.

- i. Climate Science, especially relating to the empirical aspects of the occurrence of local/ regional extreme precipitation events;
- ii. Hydrology and Civil Engineering with emphasis on the study of the hydrology of river basins, flooding, and the role of reservoir operation; and
- iii. Geology and Civil Engineering in the study of land use and terrain stability.

2. As such, a committee of experts from these disciplines is hereby constituted, to examine the causes of extreme heavy rainfall events, subsequent floods / landslides and to recommend appropriate policy responses in this regard.

3. The details regarding the Committee are as follows:-

A.Members:-

Sl. No.	Expert	Specialization	Role
1	Prof. K.P. Sudheer, Executive Vice President, Kerala State Council for Science, Technology and Environment & Principal Secretary (Ex-officio), Science & Technology Department, Govt. of Kerala	Water Resources Engineering	Chairperson and Convenor
2	Prof. S.K. Satheesh , Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science	Atmospheric Science	Member
3	Dr. D. Sivananda Pai, Scientist 'F', India Meteorological Department	Atmospheric Science & & Climate Dynamics	Member
4	Dr. K.J. Ramesh, Director General (Retd.), India Meteorological Department	Meteorology	Member
5	Dr. Sachin S. Gunthe, Associate Professor, Department of Civil Engineering, IIT Madras, Chennai	Aerosol-Cloud Interaction	Member

6	Prof. Deepankar Choudhury, Professor, Department of Civil Engineering, IIT Bombay, Mumbai	Landslide and Seismology	Member
7	Dr. Srikumar Chattopadhyay, Scientist 'G' (Retd.), ESSO- National Centre for Earth Science Studies, Thiruvananthapuram	Land Use Planning	Member
8	Dr. E.J.James, (Former Director, Centre for Water Resources Development & Management, Calicut) Pro Vice Chancellor, Karunya Institute of Technology and Sciences (Deemed to be University), Coimbatore	Integrated Water Resources Management	Member
9	Dr. G. Sankar, Scientist 'G' (Retd.), ESSO- National Centre for Earth Science Studies, Thiruvananthapuram	Landslides and Earth Surface Processes	Member
10	Sri. T. Jayaraman, Member, Kerala State Planning Board	Climate Policy	Member
11	Sri. M Chandradathan, Scientific Advisor to Chief Minister, Kerala .		Invitee
12	Chief Engineer (IRDA), Irrigation Department, Government of Kerala		Invitee

13	Chief Engineer (Dam Safety), Kerala State Electricity Board		Invitee
14	Member Secretary, Kerala State Disaster Management Authority, Government of Kerala		Invitee
15	Director/Nominee, Centre for Water Resources Development and Management, Kozhikode		Invitee

B. Terms of Reference:-

i. The committee will prepare a quick assessment report, after examining the causes of extreme heavy rainfall events and subsequent floods / landslides, containing recommendations, facilitating the formulation of appropriate policy responses in this regard, which will also serve for developing emergency action plans and disaster preparedness for the Kerala State for similar future events.

ii. The committee will address the following concerns while preparing the assessment report;

a. Reasons for the occurrence of such extreme heavy rainfall events and their major causative factors;

b. Capability and potential for accurate forecasting of such events with sufficient lead time;

c. Reviewing of the indicators and methods to locate areas prone to severe landslides during such extreme heavy rainfall events and remedial measures for minimizing such hazards and their consequences;

d. Reviewing of the current maps of areas prone to flood hazard during such extreme heavy rainfall events and remedial measures to minimize such hazards; and

e. Focusing on the role of changing land use in these hazards

iii. The committee is free to interact with other experts (national/international) for inputs and scientific contributions for preparing the assessment report as they desire.

iv.The committee will undertake field visits, scientific analysis, discussions with various stakeholders so as to get realistic inputs for preparation of the report.

v.The committee will submit the report to the Kerala State Planning Board within three months of the date of its first meeting.

C. Funding:-

The Kerala State Council for Science, Technology and Environment, Government of Kerala, will bear expenses towards transport and local expenses of the committee for field visits, meetings, discussions etc.

D. Secretariat of the Committee:-

The Secretariat of the committee will be the office of the Chairman of the Committee.

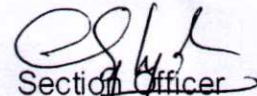
(By order of the Governor)

PROF DR K P SUDHEER
EX-OFFICIO PRINCIPAL SECRETARY

To:

Members of the Committee
Chief Executive officer, Rebuild Kerala initiative (RKI)
Finance Department
Planning and Economic Affairs Department
Disaster management Department
Principal Accountant General (Audit/A& E) ,Kerala ,
Thiruvananthapuram.

Forwarded /By order


Section Officer