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Ministry of Agriculture
Department of Agriculture & Cooperation
NDM CONTROL ROOM
www.ndmindia.nic.in

Flood Situation Report - 2001

(Based on the reports received from concerned Departments/State Govts.)

Impact of Southwest Monsoon - 2001:

- “ Several parts of the Country receive heavy rainfall during the South West Monsoon resulting in floods, landslide, loss of human life and cattle, disruption of all communication network, damages to houses and property and dislocation of normal activities.
- “ During the last season of Southwest monsoon, many parts of the country witnessed heavy floods / rains and thousands of human life and cattle lost. The flash floods in Himachal Pradesh, Arunachal Pradesh, Andhra Pradesh, UP, Bihar, West Bengal etc. took hundreds of human lives and caused immense damage to properties during 2000.
- “ Keeping in view the past experience during June-September during the Southwest monsoon, States/UTs and concerned Central Government Departments/ Ministries were requested to take necessary precautionary/preventive measures and advance planning to combat any serious situation.

IMD's forecast & report:

- “ India Meteorological Department (IMD) has Stated that there was good pre-monsoon rainfall activity over most parts of the Country during this year. The cumulative rainfall for the period March 1, 2001 to May 31, 2001 has been normal to excess over 27 meteorological subdivisions of the country.
- “ IMD's long range official forecasts for the rainfall during 2001-Southwest monsoon season are as follows:

a) In 2001, the rainfall for the Southwest monsoon (June to September) for the country as a whole is likely to be normal, thus making the year 2001 the 13th normal monsoon year in succession. The normal is defined as rainfall within + 10% of its long period average.

b) Quantitatively, the rainfall over the country during the season is likely to be 98% of its long period average with an estimated model error of + 4%.

c) Over the three broad homogenous regions of India, the rainfall for the season is likely to be 100% of its long period average (LPA) over Northwest India, 96% of the LPA over the Peninsula and 100% of the LPA over Northeast India with an estimated model error of + 8%.

IMD's Weekly Weather Report (for the week ending July 11, 2001):

“ A well-marked low-pressure area formed over Northwest and adjoining central Bay of Bengal of Orissa and Andhra Pradesh coast persisted on 5 & 6th July. It eventually merged with the monsoon trough on 12th. Fairly widespread rainfall occurred in western and central parts of India in association with the above low-pressure area. Some parts of north Peninsula also received good rainfall.

“ During the week ending on 11th July 2001, the rainfall was Excess in Orissa, Punjab, Himachal Pradesh, Jammu & Kashmir, West Rajasthan, East Rajasthan, East Madhya Pradesh & Chhattisgarh, Gujarat region, Daman, Dadra & Nagar Haveli, Saurashtra, Kutch & Diu, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh, Coastal Karnataka, Kerala, Lakshadweep, and Normal in Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, West Madhya Pradesh, Telengana, North Interior Karnataka, South Interior Karnataka.

“ During the period from June 1 to July 11, 2001, 28 out of 35 meteorological subdivisions covering 75% districts and 85% area of the country received normal to excess rainfall. Country as a whole received 19% above normal rainfall so far.

“ The outlook for the week ending July 18, 2001 indicates that the rainfall activity is expected to remain subdued over major parts of the country during earlier part of the week. It will be enhanced over the foothills of the Himalayas and northern plain. The activity is expected to revive over central parts of the country towards later half of the week.

For details on IMD's forecast please visit www.imd.ernet.in

Reports from Central Departments:

Railways:

“ Breaches reported in South Eastern Railway in Sambalpur, Chakradharpur and Bilaspur Divisions

“ In the South Eastern Railway sector, due to water over-flowing over the track between Ib, JSG, Lapanga, Brundamal and breaches in SBP-TLII section, diversions/ short termination/cancellation of Mail / express trains ordered.

“ In Station between Saragipalli-Handapa in Sambalpur-Talcher Section water logging since 16.07.2001.

“ In Station between Lapang-Brundamal of Jharsuguda-Sambalpur-Talcher Section water is over flowing the track. Brundamal Station closed due to washing away of 3 girders out

of 6 girders.

“ In block Section IB-Jharsuguda of Bilaspur Division water flowing over bridge No.182. The bridge water level is 2 feet above rail level.

“ 9 trains diverted, 10 trains cancelled and 6 trains short terminated.

Reports from States/UTs.:

CHHATTISGARH: (Dated 17.07.2001)

Flood:

“ Flood occurred because of heavy rainfall in Dhamtari and Kanker District on 9.7.2001.

“ Average rainfall till 9.7.2001 is 492.57 mm.

“ The cumulative rainfall during the current period is 773.4 mm as compared to 236.3 mm of the last year.

“ Most of the reservoirs like Sondhur, Madhamsilli, Dudhawa and Gangrel crossing the Flood Reach Level, resulting in discharge of 2.20 lakh cusecs of water from Gangrel reservoir to save the dam which has further aggravated the situation in low lying areas of Mahanadi basin

Impact & Damages:

Area

“ 6 out of 16 districts covering 23 taluks and 958 villages affected.

“ Dhamtari, Raipur, Mahasamund, Janjgir (Champa), Raigarh, Kanker are affected districts.

“ 68,159 hectares of crop area damaged

Life & Property

“ 2.03 lakh population affected.

“ 12 human lives lost. 1009 cattle lost.

“ Standing crop worth Rs.40.83 crores affected.

“ 3883 houses worth Rs.6.41 crore damaged.

“ Rs.40.07 crore worth public properties damaged.

State & Central efforts:

“ Affected people evacuated and placed in relief camps. Food and other amenities provided by the District administration.

“ Collectors empowered to grant ex-gratia relief and other necessary assistance to the affected population.

“ Ex-gratia relief of Rs.40.13 lakh distributed to the affected persons.

“ State level Control Room operational round the clock (Tele No.0771-221273). Control Rooms also functioning at all district HQrs.

“ CM, Chhattisgarh made an aerial survey of the flood-affected areas.

“ Centre monitoring the flood situation in the State.

KERALA: (Dated July 19, 2001)

- .. The Southwest monsoon has set in Kerala on 25.5.2001.
- .. Severe sea erosion in coastal districts.
- .. Idukki, Pathanamthitta, Alappuzha, Kottayam and Ernakulam received torrential rains.
- .. Villages affected -1352. Families affected - 35000.
- .. Human lives lost - 108. (75 adults & 23 non-adults). Missing - 11. Injured - 94).
- .. Houses fully destroyed - 1071 Houses Partially destroyed - 19471 (Total Damage Rs.11.34 crores)
- .. Relief camps opened - 951 (so far accommodating 1.5 lakhs persons)
- .. Crop loss - Rs. 145 crores approximately.
- .. Substantial areas in Pathanamthitta, Alappuzha, Kottayam and Ernakulam districts submerged. Series of landslides in the High ranges rendering agricultural land to waste. Traffic disrupted.
- .. Irrigation canals and bunds in Kuttanad region affected seriously.
- .. State Government sanctioned Rs 100 lakhs each to all the District collectors for immediate temporary relief.
- .. Union Agriculture Minister visited Trivandrum, Kerala on 14th July 2001.
- .. Centre keeping constant watch on the situation.

ORISSA: (Dated 19.07.2001)

Floods

- Heavy Rains / Floods.
- 1166.80 mm rainfall (cumulative) received during the current monsoon period.
- 124.8 mm amount of rainfall on 18.7.2001
- Floodwaters entered many towns upstream of Cuttack such as Banki, Sonapur and Buri etc. due to tidal action of the drainage from Mahanadi.
- Discharge from Mahanadi system is more than its carrying capacity.
- More rain forecast. Flood situation worsens.

Impact & Damages:

- Area - 22 out of 30 districts affected.
- Angul, Bolangir, Balasore, Bhadrak, Boudh, Cuttack, Ganjam, Jagatsingpur, Jajpur, Kalahandi, Kendrapara, Khurdha, Koraput, Malkangiri, Nabrangpur, Nayagarh, Nuapada, Puri, Rayagada, Sonapur, Jharsuguda and Sambalpur are affected districts.
- 131 Blocks, 1448-Gram Panchayats, 8-Urban level Blocks, 7527 Villages affected.
- 3.55 lakh hectares crop area affected.
- Life & Property - 40.73 lakhs population affected.
- 32 human lives lost.
- 41 cattle lost
- Rs. 20.54 crore worth crops damaged.
- 20,205 houses of Rs.2.82 crore value damaged.
- Rs.27.38 crores worth public properties damaged.

- Infrastructure - Major portions of NH-201 are waterlogged.
- Breaches reported in South Eastern Railway in Sambalpur, Chakradharpur and Bilaspur Divisions.
- 10 trains cancelled, 6 trains terminated short of duration and 9 trains diverted.
- Water overflowing over the track between in JSG, Lapang, Brundamal and breaches in Bilaspur-Jharsuguda Section.
- No report of damage to Telecommunication network / power installations.

State Efforts:

- Council of Ministers under the Chairmanship of Chief Minister met to take stock of the flood situation and review the relief and restoration measures.
- High level meeting chaired by Chief Secretary reviewed the flood situation on 17th July 2001.
- State Government sounded RED ALERT to all concerned to take immediate precautionary measures.
- People living in low-lying areas advised to move to safe areas to avoid the need for evacuation during night.
- District officials ordered to maintain utmost vigil and take all immediate measures to handle the situation.
- Patrolling intensified in all embankments. Warning issued to view the damage to embankments as serious.
- Additional police forces deployed. 56 platoons of police force and 600 home guards deployed for guarding the embankments. 1300 home guards kept standby.
- 85 boats pressed into service for relief operation by SRC.
- Adequate foodgrains, medicines and disinfectants available.
- 500 tons of cattle feed rushed to affected districts.
- Emergent relief in shape of dry food distributed in all affected districts for 3 to 7 days.
- Free kitchens opened by Collectors of Kalahandi, Nayagarh, Puri, Khurda, Boudh, Jajpur and Kendrapara.
- Rs.400/- per beneficiary authorised for sanction as financial assistance.
- 1 lakh halogen tablets per district distributed alongwith other essential medicines and vaccines to prevent spread of epidemic.
- Navy & Air force requisitioned to assist the administration in flood relief and rescue operation.
- Country boats / power boats deployed for relief/rescue operation.
- Home Department will take care of movement of armed force and Panchayati Raj Department will take care of air dropping of food packets.
- An amount of Rs.5 crore released as advance from CRF for various relief and rescue activities.

Central efforts:

- The high level Team headed by Agriculture Minister is visiting Orissa on 19.7.2001 for aerial survey of the flood situation
- Hon'ble PM announced on 18th July 2001, an initial amount of Rs. 100 crores for relief

/ rescue operations.

- Meeting of National Crisis Management Committee (NCCM) was held under the Chairmanship of Cabinet Secretary to review the flood situation in the State on 18.7.2001.
- Krishi Control Room in the Nodal Department is operational round the clock for monitoring the flood situation.
- Dept. of Agriculture and Cooperation keeping constant touch with State Government, Ministry of Defence, Water Resources, IMD, Road Transport & Highways.
- Ministry of Water Resources is monitoring water level in dams.
- Two columns of Army and Four Helicopters pressed into relief service.
- Army, Navy and Coast Guard providing necessary assistance to State Government.
- Railways / Road Transport & Highways keeping a watch.
- Financial Assistance:
 - 1) Entire central share of Calamity Relief Fund (CRF) for 2001-02 amounting to Rs.86.21 crore released in May 2001.
 - 2) Assistance of Rs. 49.62 crores approved from National Calamity Contingency Fund (NCCF) in the wake of drought.

UTTARANCHAL:

- Heavy downpour/cloud burst on 16th July, 2001 in between Guptkashi-Gorikund.
- Rudraprayag-Kedarnath road was badly affected by landslide and debris flow.
- 10 Villages affected viz. Dhani, Jamu, Saimkurali, Khat, Khariya, Rail, Ravigaon, Byung, Phata and Tarsali. Four villages namely Dhani, Saimkurali, Khariya, Tarsali damaged.
- 18 human lives lost, One person injured and 8 persons missing. Out of this 10 are females.
- 25 cattle lost.
- 26 houses including 04 Government buildings damaged.
- 13 km road stretch at 16 points damaged (at 5 location it is badly damaged)
- 800-pilgrim affected and 350 pilgrim evacuated.
- State Government gave quick response to the situation. An Emergency Control Room has been set up at Guptkashi having contact Nos. 0136-407241, 0136-467221.
- Arrangements to air drop foodstuff and supply other essential commodities, and provision of temporary shelters like tents, tarpaulins for villages is being made.
- Major damages to the electricity and water supply systems in the affected area.
- Detailed memorandum is being sent by the State Govt. after assessment.

NORTH EASTERN STATES:

- Heavy rains from 5th to 7th June in the catchment areas of Barak river (Mizoram, West Manipur and South Cachhar, Karimganj, Hailakhandi Districts of Assam). Torrential rains in Tripura west and North Districts, and sudden flood in Karimganj, Silchar, Tripura West and North, and Jawai (Meghalaya) Districts.
- 2 lakh people in the affected areas evacuated to safer places.
- A bus carrying 55 people at Sonapur(Meghalaya) swept off the Road in a landslide

killing 30 persons. 3 persons died in Agartala, Tripura due to house collapse and electrocution.

- NH-44 linking Mizoram, Tripura and South Assam (Barak valley) seriously damaged at Patharkhandi (Assam) and Sonapur (Meghalaya).
- Border Roads Organisation initiated action for repairs. Traffic restored after repairs.
- No fresh reports of worsening flood situation in North Eastern States. Floodwaters receded and normalcy returning back.

Other States:

- Media reported heavy and torrential rains in some parts of Maharashtra, Gujarat & Himachal Pradesh. Landslide reported from Uttaranchal. No adverse situation reported by State Governments. Normal activities disrupted for few days during heavy rains. No report of damage and loss received from State Governments.

Relief operations by other agencies:

- Indian Red Cross Society (IRCS) undertaken relief measures as soon as the floods. Cash Assistance of Rs.1 lakh each to Kerala and Chhattisgarh and Rs.2 lakh to Orissa was given. Materials containing tents, woolen blankets, cloths, towels, tarpauline, kitchen sets, feeding cup, bedroll, assorted clothing for men, women and children sent to West Bengal, Kerala, Orissa and Chhattisgarh. 50 Nos. of fishing twins to Kerala, 5 Nos. of Zodiac boats with engine and 15 rubber boats sent to Orissa.

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