

Rush/Earthquake
Situation Report No.31

Updated at 2000 hours on 04 February, 2001

F. No. 07001/01/2001-NDMCR

Government of India

Ministry of Agriculture

Department of Agriculture & Cooperation

Krishi Bhavan, New Delhi

KRISHI CONTROL ROOM

www.ndmindia.nic.in

Subject : Earthquake of 26th January, 2001 in Gujarat and many parts of India.

HIGHLIGHTS:

- Prime Minister held meeting with all Party Leaders /Groups on 3.2.2001.
- 21 districts, 171 Talukas and 8792 villages affected.
- 16403 human deaths confirmed and 68478 persons reported injured.
- 2,28,906 Houses/huts collapsed and 3,97,615 houses/huts damaged. Survey of property damage is going on.
- Cattle deaths reported as 12,250.
- The main focus area is the Kachchh district (Hqs. – Bhuj).
- In Kachchh, 1235 civil staff, 711 technical staff and more than 22,000 personnel from Armed Forces, 3000 from Para-Military Forces, 1349 Home Guards and 690 Police personnel deployed.
- In Kachchh 530 cranes/JCBs, 291 bulldozers/excavator, 1172 loader/dumpers/ trucks, 1001 Jeep/Ambulances, 614 gas cutters/DG Sets/Sub pumps and 2895 other equipments deployed.
- In Kachchh 563 ration shops functioning. 2944 MTs food grain & 228 MT vegetable supplied. 72-tanker diesel/petrol and 29 tankers kerosene supplied. 4080 kits distributed.
- Power Supply restored in 9 towns and 557 villages.
- Telecommunication links partially restored.
- Piped Water supply restored in 9 towns and 913 villages.
- Water tankers supplied in 9 towns and 492 villages.
- 34 hospitals functioning , and 250 mobile teams in Kachchh.
- 31 primary health centres of Kachchh is also treating minor cases.
- 2531 doctors and 2016 para medics deployed of which 488 in Kachchh.
- 66,709 patients treated, and Rs.28.92 lakhs drugs/equipments used.
- Two additional flights pressed into service by Indian Airlines for Bhuj.
- Railway lines restored upto Bhuj.
- The road traffic restored.
- Satellite phones, HAM radio and mobile telephones have been pressed into service to ensure proper communication.
- The Prime Minister announced Rs.500.00 crore assistance.
- 335 NGOs working in the field.
- 5837 volunteers assisting.
- External assistance received from 38 countries.
- Ex-gratia : Rs.88.14 cash doles to 1.15 lakh persons, Rs.16.42 lakh to 1909 family for household kits, and Rs.203.04 lakh as death compensation for 283 persons

- 26,000 tents, 37,000 tarpauline received by Government of Gujarat.
- About 2,00,000 blankets received by Government of Gujarat.
- 5000 trucks and dumpers deployed
- Overwhelming international response with personnel & material.
- 12 special teams veterinary doctors deployed and 2006 animals treated.
- 25 teams under survey of loss/damage to Agricultural properties.
- Land owners covered under Group Accident Insurance Team upto Rs.50,000 in the event of death/disability.
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IMPACT:

A severe Earthquake of the magnitude of 6.9 at Richter scale occurred at 8.46 A.M. on 26th January,2001 with epicenter at 20 K.M. North-East of Bhuj. Its impact has been felt in various parts of the Country. Gujarat has been affected very severely. As per available information from State Government of Gujarat, the extent of damage is as under: -

S.No.	Gujarat	Number of persons	
		Dead	Injured
1	Ahmedabad	731	4030
2	Anand	01	20
3	Banaskantha	36	2770
4	Bharuch	09	44
5	Bhavanagar	03	44
6	Gandhinagar	07	240
7	Jamnagar	117	4592
8	Junagadh	08	87
9	Kachchh-Bhuj	14896	39765
10	Kheda	00	28
11	Mehsana	0	1139
12	Navsari	17	51
13	Patan	33	1686
14	Porbandar	09	90
15	Rajkot	385	10567
16	Surat	46	157
17	Surendranagar	104	2851
18	Vadodara	01	256
19	Sabarkantha	00	56
20	Amreli	00	05
21	Valsad	00	00
	Total:	16403	68478

EXTENT OF DAMAGE

Population affected	3.5 crores
Houses Damaged	2,28,906 Completely 3,97,615 Partially
Estimated loss of Property	Rs. 13,500 Crores
Damage to Private property	Rs. 6000 Crores
Damage to Public property	Rs. 1000 Crores
Damage to Utilities: (Power, water & industry)	Rs. 1000 Crores
Impact on trade & Industry	Rs. 2000 Crores

IMD – Report :

- Intense aftershock activity still continuing and there was an aftershock magnitude 5.9 at 0632 hrs on 28th January, 2001, the largest recorded so far.
- In view of this, the local people are advised not to enter the damaged/ poorly built buildings, which may suffer further damage in the aftershocks, which are still continuing.
- As per the latest report of the IMD earthquake shocks are still continuing on 03.02.2001. 168 after shock activity felt till 1119hours of 04/02/2001.
- During last 24 hours 16 tremors received with magnitude of 3.1 to 5.0.

MANAGEMENT

- First responses on 26th January 2001 immediately after the noon (Republic Day F ended 12 Noon)
- Cabinet Secretary activated Crises Management Group (CMG) by personally contacting the members of the Group including the Service Chief with the request to move men, material & equipment to Bhuj. Members were also informed that Crisis Management C will meet at 3 pm and within that time they should initiate action.
- Chief Secretaries of Rajasthan & Maharashtra were also informed of the magnitude earthquake and requested to send food materials and blankets to Gujarat.
- PSUs like Hindustan Zinc Ltd, Udaipur, IFFCO & KRIBHCO have also been requested to take similar action.
- National Disaster Management control room activated.
- Prime Minister directed Cabinet Secretary to respond with the overriding urgency and the steps taken during the emergency meeting of the Cabinet convened at 5 PM.
- National Crisis Management committee meets at 3 PM puts in place specific and departmental initiatives. Chief Secretary Gujarat was offered during the telephonic conversation services of officers of GOI specially those who hail from Gujarat cadre.
- Vice Chief of Air staff indicated the runway at Bhuj is under inspection and flights to there could only be cleared after inspection is complete.
- Home Minister rushes to Ahmedabad immediately contacted Chief Secretary and giving his assessment instructed the need to rush medical teams, medicines and other material.
- Prime Minister convened emergency cabinet meeting at 5PM and reviewed initiatives of CMG. The three Services Chief, who were present also briefed the Cabinet.
- On clearance from the Indian Air Force on the suitability of runway at Bhuj to receive Aircrafts. A AN-32 Air craft took off from Palam at 7PM along with Additional J Commissioner with the team of 24 Doctors with medical equipment and medicine, engineers of DoT with SAT-Phones and IMD officials with seismographic equipment. Later, Secretary of Haryana and officials of Delhi Administration were tasked to collect a number of blankets and relief materials to be dispatched to Bhuj.

PUBLIC ACCESS AND INFORMATION SHARING

- Gujarat Government have dedicated Help Lines and control rooms in operation (Help 02712-51900 to 51917)
- Gujarat Bhavan at Delhi opened counter to receive relief materials (Phone 46736 4671881)

- Krishi Control room telephone lines responding round the clock (Phone 3389453,3383476, 3385574)
- Krishi Control room (NDM) website <http://www.ndmindia.nic.in> is being updated regu
- Secretary (Agriculture) briefing the media every day wherein the updated situation re provided.
- Priority relief requirements of State Government being informed regularly to press th press briefing
- Press carrying all important telephone numbers, help lines etc,
- Counters opened at New Delhi Railway Station at Ajmeri Gate side for receiving materials for free transport to Gujarat
- To coordinate Air lifting of men and relief material a dedicated line operated at Air control area

DEFENCE SERVICES

ARMY

- 22,000 Troops deployed in Bhuj and Ahmedabad
- Major equipment deployed
JCB/Dozers – 20, Generators – 29, Water Supply Equipment/tanks- 187, Ambula 15
- Shelter material – 10,500
- Helicopters – 3
- Surgeries performed – 10,652, Medical aid given – 13,182
- Evacuations (serious patients) – 428, rescued – 253, bodies recovered – 1101

AIR FORCE

- 6 IL-76, 18AN-32, 4 AVRO, 3 DORNOR and 16 helicopters pressed into service
- 232 sorties carrying engineering equipment, shelter material, food ambulance, te rescue teams including sniffer dogs etc
- Bulk of the relief material and equipments Air lifted from the various air bases
- 700 people evacuated

NAVY

- 30 men team with INMARSAT dispatched
- INS Ganga carried relief material for Kandla and Naval ships converted into hospital where surgeries were performed
- Dry ration from Naval establishments moved to Anjar and Gandhidham
- Disaster management and surgical team to Bhuj with medical equipment
- One dornier sortier flown from Mumbai to Kandla with 960 ltrs of fresh water.

PARA MILITARY FORCES

26.1.01 – Immediately released for rescue & relief

RAF 4 COYS (1 Ahmedabad & 1 Bhuj)

CRPF 1 COY (Ahmedabad)

BSF 4 COY (Kutch)

SSB 6 COY (3 Bhuj & 3 Jamnagar)

27.1.01

RAF 2 COYs (Bhuj)

BSF 4 COY s (Gandhidham/Bhuj Ahmedabad)

CISF 10 COYs (Ahmedabad, Bhuj, Kandla, Mehsana)

At present - 45 COYs available

RELIEF SUPPLIES

HOME MINISTRY

Tents	750
Dry Food	303 tonnes
Blankets	4000

- CISF deployed team of 10 officers under DIG(Fire) at Bhuj with Hydraulic cutters
- Specialized rescue equipment with 4 officers & 16 firemen sent to Gujarat from Delhi
- CISF established wireless network between Delhi & Kandla, Bhuj. Ahmedabad
- CRPF established wireless stations at Adohi, Bimsar, Rapar

FOOD

- 95,000 MT of free food grains allowed to be diverted by the State from food for work to meet immediate relief
- One lakh tonnes of foodgrains – Wheat (80,000 tonnes), Rice (20,000 tonnes) allotted
- Advance release of 10,000 tonnes of levy sugar to the State
- Ready-to-eat food packets weighting over 37 tonnes airlifted
- Rs. 5 Crores contributed (FCI2,CWC-2,BIS-1)
- Community kitchen & langar organised by NGOs & Socio-religious organisations run in affected areas

MEDICAL AID

- Rs 5.7 crores of medical supplies sent to affected areas
- 64 Doctors sent from various Delhi hospitals to affected areas
- 2 Portable X-ray units with specialist sent to Bhuj
- Emergency medical supplies to antibiotics, disinfectants, IV fluids, ORS packet surgical materials sent in adequate quantities
- Public health specialist from NICD and NAMP (National Anti Malarial Problem) posted at Ahmedabad
- 45 beds in Central government hospitals and AIIMS in Delhi earmarked for earthquake victims
- 500 tonnes of bleaching powder and 110 MT of synthetic pyrethroid arranged and transported
- Mental health experts from NIMHANS and AIIMS inducted at a short notice
- Conducted 3 caesarian sections. Performed six amputations
- Given blood transfusions to 20 patients
- Established bases at Mandavi, Bachau and Anjar with independent teams
- Visited and rendered medical assistance in villages adjoining Bhuj, Anjar, Mandvi, Bhachau and Gandhidham
- Distributed medical supplies to NGOs, Medical supplies shared with army doctors treating patients
- Assessment of public health specialists from Bhuj conveyed to State Government.
- Total 376 hospitals functioning out of which 34 are in Kachchh.
- 606 Specialists doctors from Gujarat and 140 from other State in medical relief work.
- 2365 medical officers, 590 experts from other countries(including doctors, engineer administrators etc.) at service.
- Total 68,701 injury cases attended and 7814 cases admitted.
- 31 Primary Health Centres of Kachchh district and 949 primary health centres in districts providing treatment for minor-injury cases.
- Disinfection carried out effectively to prevent water and food contamination.

HEALTH

- Regular monitoring of medical arrangements at the Hqrs. And visit of senior officers
- Team of Doctors from Government hospitals deployed right from first day along with medical equipments and supply
- Specialist from NICD & NIMP deputed to prevent outbreak of any possible epidemics
- Another 80 member team consisting of officials and staff left to Bhuj to control any possible epidemic on 4.2.2001
- Serious injured patients flown to other places for treatment
- Overwhelming response from private hospitals and NGOs.

FINANCE

- No cap on ways and means advance to State Governments
- Rs. 500 crores financial assistance announced by Prime Minister
- Rs. 20 crores sanctioned from PM Relief fund
- 100% deduction for Income Tax purpose on donations made to charitable institutions]
- 100% deduction on donation under PM/CM Relief Fund
- relief material exempted from customs/excise duty

RAILWAYS

Damages

- Costs

Track	35 crores
Signal & Tele	15 crores
Electrical	7 crores
Misc.	3 crores
Total	60 crores
- Track
 - Viramgam-Gandhidham Broad Gauge (BG)
 - Gandhidham-Bhuj (BG)
 - Viramgam-Okha (BG)
 - Palanpur-Gandhidham Metre Gauge (MG)
- Heavy damage to station buildings, station cabins, residential quarters, bridges in affected sections
- Signalling equipments at 25 stations and Control communications on Viramgam-Gandhidham section damaged

Restoration

BG Track

- Rajkot-Okha on 26.1.2001
 - Viramgam-Samakhiali on 28.1.2001
 - Wankaner-Navalakhli on 28.1.2001
 - Samakhiali-Gandhidham on 29.1.2001
 - Gandhidham-Kukma on 29.1.2001
 - Kukma-New Bhuj to be made fit by 3rd Feb (F.N.)
- #### MG Track
- Palanpur-Kidiyanagar on 28.1.2001
 - Kidiyanagar-Gandhidham on 31st Jan
 - Telecommunications – Overhead alignment and control communication up to Gandhidham restored.
 - Signalling-8 stations restored until 30/1/2001 – 13 stations. Block working restored but stations on non-interlocked working – Final restoration at 17 stations dependant on completion of building activities.

- Fifteen special trains run for relatives & NGOs to Gujarat.
- Twenty special trains run to evacuate from Gujarat and about 40,000 people evacuated.
- Wagons loaded with GI sheets, bulldozers and water tank wagons directed for relief work.
- Movement of relief material ordered free of cost.
- All railway good sheds along the quake hit areas offered for providing shelter for the people rendered homeless.
- Three medical relief trains moved Ahmedabad, Uda and Palanpur with a team of doctors and medical equipment for evacuation of injured and medical relief. "Railway Helpline" medical camps set up to assist victims.

ROAD TRANSPORT & HIGHWAYS

- Out of 650 Kms of national highways damaged 100 Kms severely damaged.
- Most of the minor/major bridges damaged.
- Surajbari bridge damaged – repaired on war-footing and restored.
- National Highways made traffic worthy.

TELECOMMUNICATION

- Telecommunication disrupted
- Number of Exchanges (alongwith media)

Total	Damaged
147	147
- Total Lines

82,000	82,000
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- Optical Fibre systems Bhuj-Bhachau-Rajkot 140 Mbps (damaged at Bhachau)
- Overload Exchanges started choking due to heavy traffic (12 lakh calls/hr)
- Estimated cost of damage Rs.200 crores

On 26th January 2001

- Restoration of 2,000 lines Bhuj Exchange (CDOT-MBM).
- Restoration of 2,000 lines Gandhidham Exchange.
- Putting through two 34 MBps Microwave systems to Rajkot-Gandhidham-Bhuj.
- Installation of Optical fibre end-link (8mbps) at Bhuj.
- 2 INMARSAT terminals were rushed to site.
- Hot-lines were provided from Ahmedabad-New Delhi.
- To save Ahmedabad and Rajkot TAX from overloading additional channels were terminated in Local Exchange bypassing above two TAXs.

Restoration

- Exchange restored – 68
- Free PCOs opened – 72 (INMARSAT 23, Land-line – 49)
- Help Lines have been opened at Bhuj, Gandhidham and Kandla). Hot Lines provided – 43
- Optical Fibre links restored – All 13 SDCAs
- 4 VSATs in closed user group have been provided in Rapar.
- 2 MCPC VSATs restored.
- Transmission systems added for relief – 96 stream of 2 Mbps.
- Requirements of State Government and other agencies were fulfilled.
- Cellular Mobile Phones Services restored.

POWER

- Power Supply to more than 50% of feeders in Kutch area including towns of Bhuj, Anjar etc. restored.
- DG sets: 17 large sets sent for utilisation of GEB at Bhuj/Anjar.
- Manpower: 135 engineers/skilled operative staff positioned to assist at Anjar/Bhuj for restoration of supply.
- Team of 8 doctors with para-medical staff sent.
- Camp office of NTPC and Powergrid established to coordinate relief and rehabilitation at Anjar.
- Powered/NTPC together engaged in repair/recommissioning of 10 GEB major sub-stations.
- LT Transmission distribution materials supplied.
- Restoration of 220 KV PANANDRO-Anjar Tr. Line on 28.1.2001.
- Loan of Rs.100 crores sanctioned by PFC for reconstruction * rehabilitation of transmission and distribution system.
- REC sanctioned a loan of Rs.100 crores to GEB.
- Under APDP, Kutch district will be adopted and made into a centre of excellence for sub-transmission, distribution and R & M.
- Minister of Power accompanied by Addl. Secretary and CMDs of NTPC & Powergrid visited the affected areas for assessment.

SHIPPING & TRANSPORT

- Berths No.1 to 5 at Kandla Port have developed major structural damage.
- Berths No.6 to 9 are functional.
- Port has provided following equipment in Gandhidham:

Escalators	31	Payloaders	61
Cranes	36	Dumpers	376
Forlifts	2		
- Cargo operations on relief vessels is being undertaken
- 12 cranes dispatched by DG(Shipping) to Kandla to speed up relief work.
- Mumbai Port is dispatching 4 fork lift trucks.

RURAL HOUSING

- Additional allocation of Rs.250 crores over and above normal allocation for constructing earthquake proof housing for BPL families in rural areas.
- Assistance of Rs.22,000 per dwelling unit proposed for the affected districts.
- HUDCO and other expert agencies will be consulted with respect to earthquake proof technology.

PETROLEUM

Refineries

- Koyali (IOC) – Normal operations continued
- Jamnagar (RPL) – Shutdown on 26th Jan. due to power failure

Pipelines

- Crude oil pipeline from Salaya, feeding Koyali/Mathura/Panipat refineries, resumed operations since 27th Jan after due checking.
- Product pipelines from Vadinar to Kandla & Kandla to Bhatinda under shutdown. Expected to resume operations on 3rd/4th Feb.2001. However, product availability not affected due to alternative arrangements made.

Petroleum supplies

- Despatches resumed from Jamnagar by Rail on 26th Jan & by road on 27th Jan.
- Despatches resumed from Kandal on 27th Jan. by arranging manpower and DG sets from other locations.
- Supplies to Kutch area supplemented from Sabarmati, Rajkot, Sidhpur, etc.
- Direct supplies of Kerosene resumed on 28th Jan.
- Of 60 Retail Outlets in Kutch, 56 are operating now.
- All 13 LPG distributors in Kutch are operating.
- Supplies made during 27th to 31st Jan 2001
- MS-724 KL, HSD-1727 KL
- SKO-754 KL, ATF-122 KL
- Sufficient filled trucks kept ready at Kandla for despatch
- Sufficient petroleum stocks available in Gujarat.
- Rs.40 crores is being contributed by oil PSUs toward PM's relief fund.
- Supply of Diesel and Kerosene from 27th Jan to 1st Feb. 2001
- Diesel – 20.45 lakh litres
- Kerosene – 8.62 lakh litres
- 5 villages being adopted by five Navratana oil PSUs
- An additional quota of 450 lakh litres of Kerosene allotted.

Utility items provided

- | | |
|---------------------------------|---------------------------------|
| • <u>3673 Petromax/Lanterns</u> | 200 Drums |
| • 13 water tankers | <u>13 Durry</u> |
| • <u>10000 utensils</u> | <u>209 Polythene sheets</u> |
| • 3538 blankets | 550 helmets |
| • 11500 Litres mineral water | 1090 mtr. Cloth <u>65 Tonne</u> |
| • <u>food items</u> | |
| • 1300 bedsheets | 97 wollen jerseys |
| • <u>38 tents</u> | <u>11 trucks of clothes/</u> |
| • 740 safety shoes | <u>medicines/grocery/</u> |
| • 2300 socks | <u>containers</u> |
| • 2000 plastic containers | |

CIVIL AVIATION

Airports Authority of India

- Satellite based communications restored immediately on 27.1.2001.
- Kandla airport activated for helicopter operations on 27.1.2001 and for small aircraft on 28.1.2001.
- Airport charges waived off for all relief flights.
- Power supply restored through back-up arrangements at Kandla airport.

Air India & Indian Airlines

- Transportation facilities extended for relief material from abroad.
- Request to all airlines for transportation of relief material from all over the world, particularly points not covered by Air India.
- 40 additional flights to Bhuj/Ahmedabad/Jamnagar operated during 26-31st January.
- 6 additional flights daily with total of 972 seats to the affected region planned till 7th February.
- Free air transportation of relief materials weighing 1,33,396 kgs till 1st February. Further 76,737 kgs in process.

- Free handling facilities to charter flights bringing in relief materials from the State Governments and foreign Governments.

Private/Foreign Airlines

- 32 civil and military aircraft already landed in India bringing relief materials.
- One IL 76 freighter aircraft offered by Turkmenistan Airlines and three B737 freighter aircraft offered by Blue Dart, which have been placed at the disposal of Indian Air force.
- Private airlines also operating additional flights to Bhuj and Rajkot and have ferried relief materials.

STATE GOVERNMENTS & UTs

- Relief assistance given both in cash & kind from various State Governments.
- Food, blankets, medicine, medical personnel, water, tankers and equipments, etc. States are also sent.
- CM's relief fund has received a donation of 2867 lakhs.
- Rajasthan has donated 2.5 crores cash, 19,000 blankets, 521 tents, 60 heavy equipments and sent 166 medical and para medical personnel.
- Madhya Pradesh has contributed 1.37 crores, 18,150 blankets, 1000 Home Guards, 164 doctors, 50 Nurses, 80 Paramedical personnel, 25,000 food packets, 1700 tarpaulins, 70 tents, 618 relief workers and 34 heavy equipments.
- Maharashtra has dispatched 5,000 blankets 5,000 tent materials 235 doctors and paramedical and Rs.1 crore worth medicine.
- Punjab has donated 41,722 blankets, 1,250 tents, 2 truck loads of medicine and 50 heavy equipments.
- J&K has sent 30,000 blankets and 104 materials.
- Haryana has donated 8 truckloads of blankets. 995 tents and 13000 blankets sent on 04/02/2001.
- Goa has sent 2 trucks of blankets
- U.P. has sent medical personnel, 2 truck load of medicine, 520 tarpauline and 520 tents.
- Delhi Government has sent 85 tonnes of poles and zinc sheets.
- Jharkhand donated 30 packets of bandage materials.
- Himachal Pradesh Government has donated Rs. 51.00 lakh from CM Relief Fund.

EXTERNAL ASSISTANCE

- International community responded generously and with alacrity.
- 38 countries & various international organisations, sent rescue teams including sniffer dogs, relief materials and mobile hospitals.

RECONSTRUCTION AND MAJOR RELIEF INITIATIVES

1. \$300 Million Assistance announced by the World Bank (WB)
2. \$350 Million Assistance announced by Asian Development Bank (ADB)
3. CII, FICCI and ASSOCHAM decided to adopt large clusters of villages for relief and reconstruction.
4. Major PSUs of the Government of India have also decided to adopt groups of villages for relief and reconstruction.

Gujarat Govt.'s e-mail address (for queries on earthquake):
equake@guj.nic.in. Gujarat Government web-site address:

www.gujaratindia.com

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