

**NATIONAL DISASTER
MANAGEMENT FRAMEWORK**

**GOVERNMENT OF INDIA
MINISTRY OF HOME AFFAIRS**

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I. Institutional Structure

Expected outputs	Areas of intervention	Agencies/sectors to be involved and resource linkages
Nodal agency for disaster management at the national level with appropriate systems	1. Constitution of National Disaster Management Authority with appropriate legal, financial and administrative powers 2. Roles and responsibilities of the NDMA <ul style="list-style-type: none"> - All kinds of disasters (except drought) - Policies for disaster reduction and Mitigation - Preparedness at all levels. - Response coordination - Relief and rehab coordination - Amendment of existing laws, procedures, instructions. 	Health, Water Resources, Environment and Forest, Agriculture, Railways, Atomic Energy, DRDO, Chemicals, Science and Tech, IMD etc.
Creation of state departments of disaster management and Authority, if necessary.	Same as above With state specific provisions and needs	Same as above With other state level institutions - capacity building of such departments/authorities.
Constitution of Disaster Management Committees under District Magistrate	State Govts. to set up District level DM committees.	

II. Disaster Prevention/Mitigation

<p>Risk/Vulnerability assessment and dissemination</p>	<p>Disaster specific multi-hazard risk zonation at least up to district level on regular basis</p> <p>Multi-hazard vulnerability mapping on regular basis</p> <p>Risk and vulnerability awareness campaign</p>	<p>Committee of BMTPC, CSIR, IITs, NIC, CWC, IMD to do it every 5 years</p> <p>Lead sectoral institutions (Planning Commission, Ministry of Water Resources, Deptt. Of Science & Technology etc.) to do it every 5 years</p> <p>Universities & Research institutes need to undertake risk and vulnerability studies.</p> <p>DAVP-mass communication- print and electronic media, department of education-curriculum of schools and colleges</p> <p>Development of IEC resource materials and dissemination by MHA through all line ministries at state levels-local self Govt. bodies, National and State NGOs.</p> <p>Network of national and state NGOs to be involved</p>
<p>Preventive structural measures to be developed and incorporated in all public and private development initiatives</p>	<p>Development and enforcement of guidelines, earthquake, flood and warning manuals and codes for all zones</p> <p>Safe housing atlas for the country-zone wise</p> <p>Dissemination of techno-legal and legal provisions</p>	<p>A committee of BIS, IITs, CSIR, HUDCO, BMPTC to develop these norms</p> <p>Empower states, Local-self governments to develop and enforce codes/norms regulations.</p> <p>User-friendly atlas with design details for various risk zones in vernacular</p>

		<p>languages</p> <p>DAVP-mass communication-print and electronic media, Dept. of Education-curriculum of schools, colleges, universities and technical institutes.</p> <p>Development of IEC resource materials and dissemination by MHA through all line Ministries, State Govts, local self-bodies.</p> <p>To be included in the basic (initial training curriculum) of all senior and middle civil services in the country.</p>
Development of specific disaster precautions action plans for each zone.	<p>Engagement of specialists for development of plan including alternate approaches</p> <p>Cost-benefit appraisal of these plans based on minimum losses criteria</p> <p>Financing of structural and non-structural (e.g. cyclone shelters, dams/barrages, flood shelters etc.)</p>	<p>National and international consultants to be entrusted with this task for high 'risk and vulnerability' zones.</p> <p>States teams to be constituted for drawing up plans for moderate risk/vulnerability zones.</p> <p>Financing of the viable plans with plan funding as well as external funding.</p>
Community/village/Panchayat/Block/district, State and national disaster mitigation/reduction strategy and plans.	<p>Strong social mobilization and awareness campaigns</p> <p>Increased participation in decentralized planning</p> <p>Disaster appraisal to be one of the integral components of the development plan</p>	<p>Ongoing central schemes to have "disaster mitigation" component-MORD, MOTA, MOWR, MOA MOHFW etc.</p> <p>Integrated Mitigation Approach in Development Plan.</p> <p>Support from donor</p>

	Identify and prepare mitigation projects for inclusion in the development plans and implementation with earmarked allocation.	agencies and Banks.
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III. Early Warning System

National Level	<p>Advanced hazard-tracking systems for climatological and geological hazards</p> <p>Application of state-of-the-art modelling techniques and systems for early warning.</p> <p>Hazard warning-vulnerability modelling for each state/district on GIS platform</p> <p>State-of-the-art Emergency Operations Centre (MHA) with full-time professionals</p> <p>Stand by EOC at another location</p> <p>2 Mobile EOCs</p>	<p>Multi-disaster intelligence/ surveillance system. NDMA to take up multi disaster surveillance thru existing network of agencies, wherever necessary to get these upgraded. Dedicated MetSAT.</p> <p>Larger number of parameters taken into the modelling techniques used to minimize uncertainty element and to determine areas likely to be affected</p> <p>Better anticipation of Impending disaster and its impact as an integral part of "decision support system"-anticipation of impact levels to act as trigger for preventive action at different levels.</p> <p>Train a multi-disciplinary team in EOC operations</p> <p>All equipment: Computers with VSAT communication GPS SATPHONEs Large video screens Maps/bulletin boards/charts Risk and vulnerability assessment maps</p>
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	Developing disaster inventories for analysis of trends and tendencies.	15-day stockpile of essential commodities/consumables in the EOC.
State level	Hazard warning-vulnerability modelling for each district State-of-the-art Emergency Operations Centre (EOC) at the state Hq with a stand by facility at another location Mobile EOCs with state nodal agency	Departments of Irrigation, Agriculture, IMD.
District level	District Emergency Operations Centre Communication strategy for early warning	Communications links with all revenue, police and Block offices -VHF/HF networks -promote HAM clubs Use of electronic and print media
Local (community) level	Panchayats/urban bodies to disseminate early warning thru DMT group in the village (s)	Capacity building of LSG members and DMTs Promote HAM in rural areas

IV. Disaster Preparedness, Mitigation and Response

Community based village preparedness mitigation and response plans	Enhance community capacity in all multi-hazard prone states and districts to respond effectively to disasters in future.	Setting up DMCs and DMTs in each village in hazard prone areas. Train them to develop their preparedness and response plans: -village inventory -safe shelters -stock piling of relief materials -evacuation plan Mainstream these plans with annual development plans of all Panchayats and local bodies
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		<p>Train DMTs in all response functions such as early warning dissemination, search and rescue, first aid, trauma management, shelter and livelihood loss prevention techniques etc.</p> <p>Mainstream capacity building of the teams with extension programmes of line departments</p> <p>Mock drills of the community and Panchayats at regular intervals.</p> <p>(Local level NGOs/Institutions may be involved in the preparation of community level preparedness response plans).</p>
District disaster preparedness and response plans	<p>Enhance capacity of the district team to respond to disasters:</p> <ul style="list-style-type: none"> -District preparedness and response plans -District inventory of resources and gaps -stockpiling strategy and warehousing -Constitution and training of District DMT -“local and district response teams for designated areas” for evacuation, search and rescue, road and debris clearance, health, trauma management etc. 	<p>Specialized training of the members of the DMT at district and sub-district levels</p> <p>Mock drills at regular intervals</p> <p>One company of the Armed Reserve Police to be trained as rapid response teams with other members drawn from Health, PWD, Fire</p> <ul style="list-style-type: none"> -Water rescue -Collapsed structure rescue -Fire rescue
State preparedness and response plans	Enhance capacity of the state administration to respond to disaster	Constitution of State Disaster Rapid Action Force with one company

	<ul style="list-style-type: none"> -State preparedness and response plans -State inventory of resources and gaps -Const of State DMT and training State response teams for evacuation, search and rescue, road and debris clearance, health, trauma management 	<ul style="list-style-type: none"> of the Armed Reserve Police of all Btln to be trained as rapid response teams with other members drawn from health, PWD, Forest, Fire -Water rescue -Collapsed structure rescue -Fire rescue
National level preparedness and response plans		
Specialised and self-contained Search and Rescue Teams	<ul style="list-style-type: none"> Hydrological disasters (cyclones and floods) Nuclear/Radiological/Chemical Biological disasters Geological disasters (eq) 	<ul style="list-style-type: none"> Special teams in central paramilitary forces (CPMF)- -do- -do-
Web-enabled and easy-to-access inventory of resources	Link all Inventories at all levels thru a web-link-to be designated as National Inventory of Disaster Equipments (NIDE)	<ul style="list-style-type: none"> NIC connectivity to be used for the purpose-or-a dedicated link between national and state DMAs could be used Periodical census of NIDEs including using secondary data

V. Human resource development

National capacity building plan as a national agenda	Development of capacity building plans including national training plan (NTP)--- need assessment of the skill sets and quantity and their availability	Bring all national training institutions including corporate sector training facilities together in a network . Mainstreaming disaster management training with all induction courses
Specialised training facilities set up	---- do ----	Identify existing specialised training institutes---NISA, NCDC, NFSC etc.- include corporate sector training facilities as well
Professional human resource available in the country for all DM operations		

Health professionals	Include crisis prevention response and recovery, and trauma management in MBBS curriculum	Working with AICME and ICMR
Engineers, Planners and Architects	Include hazard mitigation technologies including knowledge of all techno-legal provisions in degree and PG courses	Working with AICTE and CSIR.
Agriculture universities	Include crisis prevention response and recovery in livelihood sector in degree and PG course	ICAR
All Govt. functionaries at all levels receive basic training in basic preparedness and response functions	(1) Create centres for training of trainees (2) Create facilities in all post recruitment training institutions for categories of staff	NCDM/NIDM
All India Services	All IAS, IPS and IFS officers undergo basic training in DM after recruitment	Set up DM Cells in LBSNAA, SBPNPA, IGNFA
Central services	Services such as IRTS, IDES, ICCES also could be provided exposure to special orientation progs	Rail tragedy airport and seaport tragedy, defence ammunition storage hazard response etc.
State administrative services	Initial rectt training to include modules on DM in all ATIs, PTCs and other state trg institutes (SIRD, SLI, SIHFW etc.)	Include the same in refresher and promotion course
District cadres	All district cadre staff- village extension officers, health workers, agriculture extension workers, revenue functionaries etc. have to undergo training in DM functions at the time of their induction training.	State Training Institutes.
Local self-govt. representatives and staff	All elected representatives and staff of LSGs to be provided training in DM at the time of their	Need for refresher training programmes especially in high-risk zones.

	assumption of office along with basic training.	
Youth Organisations/School/College students i.e. NCC/NSS/Scout & Guides	The members of youth organisations and the students should be provided training in the emergency response and public awareness generation	
Public awareness and community training.	<p>Awareness generation of the local community.</p> <p>Capacity building of the community at local level by imparting skill training like mock drills, rehearsals etc.</p>	<p>Among various alternatives, visual media like television and film can be utilised in public awareness generation.</p> <p>Specific programmes on disaster management be telecast on various TV channels like Gyan Darshan, Discovery Channel etc.</p> <p>The media professionals of Doordarshan and private TV channels and film producers can be sensitised and encouraged to integrate DM components in different programmes for public awareness.</p>