


















## Disaster Management Curriculum in Training of various Services













S No	Target Ministry/Department/ Cadre <sup>1</sup>	Subject matter	Nature of subject <sup>2</sup>	
			Knowledge	Skill
1	Agriculture	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Preparedness and mitigation measures for various disasters		
		Roles and responsibilities of department of Agriculture in DM		
		Disaster management plans (Sectoral and administrative location) and integrating DM with developmental plans		
		Working of Incident Command System (ICS), India Disaster Resource Network (IDRN), Emergency Operation Centers (EOCs)		











<sup>1</sup> The training for IAS, IPS, and IFS are already being taken up in their respective Academies.

<sup>2</sup> While every aspect of the identified subjects will have knowledge part in it, the attempt here is made only to highlight whether the subject is mainly knowledge oriented or skill oriented. The decision of whether to give priority to skill areas will depend on the cadre to be trained; as field level staff has to be trained more on skill aspects while the management and policy level staff on knowledge areas.












S No	Target Ministry/Department/Cadre <sup>1</sup>	Subject matter	Nature of subject <sup>2</sup>	
			Knowledge	Skill
		Emergency Support Functions (ESFs) of the agricultural department at administration and field levels and their coordination mechanisms		
		Conducting mock drills for preparedness		
		Contingency crop planning to include all potential hazards and rapid recovery in the agriculture sector in the event of a disaster		
		Damage assessment of crops and equipments		
2	<b>Education</b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Role of education sector in DM and integrating disaster management in education		
		Disaster specific preparedness, mitigation, awareness, awareness in educational institutions		
		Overview of disaster management planning <sup>3</sup> (ICS, IDRN, EOC etc), school sector planning, school DM plans, school safety (structural and non-structural) and its linkage with the developmental plans and DM plans of district/state etc		

<sup>3</sup> The depth of knowledge/skills to be imparted in DM planning varies from level to level based on the functions carried out at those levels. Specific functions needs to be identified using a needs analysis and with the help of NIDM and state ATIs.












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			Knowledge	Skill
		Emergency support functions (ESFs) for education department at all levels		
3	Medical	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Emergency support functions (ESFs) of medical department and their coordination mechanism		
		Emergency health management issues in disasters		
		Issues in environmental health, water, sanitation and nutrition		
		Logistics Management including inventory management		
		Health sector contingency planning (hospital disaster management plans, area DM plans etc) and its linkage with the developmental plans and DM plans of district/state etc		
		Rapid Health Assessment in different disasters		
		Mass Casualty Management		
		Post trauma care		













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4	<b>Public Health Engineering</b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Impact of disaster on Public Health Engineering assets		
		Maintaining water quality, water treatment technologies, emergency water supply, sanitation services, solid waste management, and environmental safety and hygiene during disasters		
		Developing DM plan for PHE department		
		Standard operational procedures and ICS for DM in the department		
		Emergency support functions (ESFs) of PHED and their coordination mechanism		
5	<b>Police<sup>4</sup></b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability (manmade disasters) of a location and vulnerable groups		

<sup>4</sup> A module for IPS is already being implemented at LBSNAA, Uttaranchal

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			Knowledge	Skill
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Search and rescue teams (district and local SAR teams and volunteers and their coordination)		
		Developing departmental DM plan (SOPs, ESF of police,		
		Emergency communication systems		
		Role of Civil Defence, Fire Services, Home Guards etc in disaster management		
		Working with armed forces during disasters		
6	<b>Forest Department<sup>5</sup></b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups to disasters		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management		
		Importance and role of forest officers in disaster management		
		Developing departmental DM plans and their integrating with developmental plans (SOPs, EOCs, IDRN etc)		












<sup>5</sup> A module is already under implementation at IGFNA, Dehradun. A revision of the same would suffice.


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			Knowledge	Skill
		Methods/ techniques of disaster mitigation and management with a special focus on forest fires, landslides, flash floods etc which are more frequent in forest areas (including shelter belts, mangrove protection etc)		
7	<b>Women and Child Development</b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location and vulnerable groups to disasters		
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management with special emphasis on programmes on women and children		
		Impacts of disasters on women, adolescent girls and children		
		Standard operational procedures and ICS for DM in the department		
		Understanding special needs of women, adolescent girls and children during disasters		
		Disaster management strategies to cater to the special needs of women, adolescent girls and children		
		Role of women, adolescent girls and children in disaster management		
8	<b>Postal and Telecommunications</b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location, postal department services and special groups of communities		

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			Knowledge	Skill
		An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management with special emphasis on postal department		
		Role of postal and telecommunication services in DM		
		Preparation of DM plan (includes ESFs of P&T, EOCs, ICSetc) for the department and conducting drills		
		Disaster mitigation methods in postal and telecommunication services at all levels including proper location of equipment/ records		
		Standard operational procedures and ICS for DM in the department		
		Emergency Support Functions (ESFs) and their coordination mechanism		
		Structure and operationalization of EOCs		
		Damage assessment in terms of information and database/important records		
9	State Revenue Department	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location, and special groups of communities		
		An overview of country, state and district level administrative, institutional, and techno-legal regime (including relief code) structure of disaster management		
		Preparation of disaster management plans at different levels including regular updation and their integrating DM with		

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			Knowledge	Skill
		developmental plans		
		Structure and operationalization of EOCs		👍
		Post disaster relief and logistic management		👍
		Emergency support functions (ESFs) and their coordination mechanism	👍	
		Conducting mock drills in co-ordination with different functionaries including Govt. Depts. & NGOs		👍
		Resource and material management		👍
		Modalities for deployment of army during extreme emergencies	👍	
		Management of relief camp and camp for volunteers arriving for relief operation		👍
		Field level coordination with various government and nongovernmental agencies (NGO's), Community Participation At various stages of Disaster management		👍
		Standard Operational Procedures and checklists for disaster management	👍	
		Information systems and decision making tools for disaster management (IDRN, IDKN etc)		👍
		Arrangements for financing relief and reconstruction activities	👍	
		Coordination and management of NGO and other's activities during emergencies and assigning roles to various stakeholders		👍



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10	<b>Panchayat Raj Institutions</b>	Principles of disaster management (Natural disasters, hazard, risks and vulnerabilities)		
		Assessment of disaster vulnerability of a location, and special groups of communities		
		An overview of country, state and district level administrative, institutional, and techno-legal regime (including relief code) structure of disaster management		
		Inventory of resources for countering disasters		
		Maintenance and operation of village warning systems		
		Organizing village disaster management committees and village task force		
		Formulating village level disaster management plans and their integrating DM with developmental plans		
		Emergency support functions (ESFs) and their coordination mechanism		
		Field level coordination with various government and nongovernmental agencies (NGO's), Community Participation At various stages of Disaster management		
		Organizing relief camps and medical aid		
		Structure and operationalization of EOCs and linking block and village level monitoring and early warning teams with the district level EOCs		

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			Knowledge	Skill
		Integration of rural development programmes with disaster reduction and mitigation activities		
		Standard Operating Procedures and Incident Command System for disaster management		