Background Report

Law and Regulation for the Reduction of Risk from Natural Disasters

in India – Federal Law

A National Law Desk Survey

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Acknowledgements

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Law and Regulation for the Reduction of Risk from Natural Disasters in India: A Desk Survey

Executive Summary

India is one of the most disaster prone countries of the world. Until recently, India's approach to Disaster Management was more reactive and relief centric. The Government of India brought about a paradigm shift in the approach to disaster management after the Gujarat Earthquake of 2001. The new approach rests on the idea that development cannot be sustainable unless disaster mitigation is built into the development process. For this purpose, mitigation efforts need to be multi-disciplinary spanning across all sectors of development. The recent emphasis on mitigation has also stemmed from the belief that investments in pre-disaster preparedness are more cost effective than expenditure on relief and rehabilitation. The new holistic and integrated approach has been embodied by the enactment of several laws and policies related to disaster risk reduction.

This paper aims to consider some of these rules and regulations put into place to deal with natural (not manmade) disasters, against a given set of questions. The effectiveness of enforcement and implementation of these laws is no included in the research. Additionally, this paper seeks to elaborate on federal, national level laws for the country of India without taking into consideration laws that may have been implemented at the state level.

The institutional and policy mechanisms for response, relief and rehabilitation were established well by the time of the independence in 1947 and since. More recently, in December 2005, the Government of India (GoI) enacted the Disaster Management Act, 2005. This was followed by the National Disaster Management Policy being put into place in 2009. These instruments help bring about a change in the relief centric approach and helped codify the more pro-active, prevention driven approach towards disaster management. While widespread progress has been made, there continue to be some gaps that need to be addressed still.

As far as early warning mechanisms are concerned, there exist some provisions for this, especially with regards to disasters such as floods and earthquakes. However, there is little or no legislation with regard to other disasters like heat waves and cold waves, insect infestations etc. As for the community involvement in DRR, provisions have been made for community capacity building and awareness generation. Yet, enough attention has not been paid to involving the community in mitigation measures. Early Warning Systems do not consult or encourage participation of at-risk populations. No role in DRR for vulnerable groups such as women, children and the has been delineated in the legal regime.

There are plenty of relevant laws regulating aspects of daily life, such as land laws, telecommunication laws, urban planning, constitutional and other legal rights and guarantees that address issues related to DRR. While an attempt to incorporate DRR into some of these laws can be noticed, DRR isn't always prioritized.

Although India seems committed to strengthening the institutional and legislative framework for reducing the risks of disasters, some gaps continue to remain. This survey is done as a part of a global synthesises report on law and regulation for DRR in natural disasters. It is hoped that the this study will serve as a useful guide to other researchers and organizations working on the issue of Disaster Risk Reduction in India.

List of Abbreviations

ACWC Area Cyclone Warning Centres

BIMSTEC Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation

CBO community-based organisations

CCMNC Cabinet Committee on Management of Natural

CDMIS Cyclone Disaster Management Information System

CWC Central Water Commission

DAC Department of Agriculture & Cooperation

DDMA District Disaster Management Authority

DM Disaster Management

DRR Disaster Risk Reduction

EWS Early Warning Syste,

Gol Government of India

HLC High-Level Committee

IMD Indian Meteorological Department

MHA Ministry of Home Affairs

MoEF Ministry of Environment and Earth.

MoES Ministry of Earth Sciences

NBC National Building Code of India

NCC National Cadet

NCMC Crisis Management Committee

NCRMP National Cyclone Risk Mitigation Project

NDMA National Disaster Management Authority

NDRF National Disaster Response Force

NEC National Executive Committee

NGO Non-governmental Organization

NIDM National Institute for Disaster Management

NLRMP National Land Records Modernisation Programme

NSS National Service Scheme

NTP National Telecom Policy,

NWP National Water Policy

NYKS Nehru Yuvak Kendra Sangathan

PRI Panchayati Raj Institutions

RM Risk Management

SAARC South Asian Association for Regional Cooperation

SDMA State Disaster Management Authority

SDMC SAARC Disaster Management Centre

SDRF State Disaster Response Force

SEC State Executive Committee

SHG Self-help Group

SOI Survey of India

TCPO Town and Country Planning Organization

ULB Urban Local Bodies

UNDP United Nations Development Programme

UT

Union Territory

1) Introduction

As per the definition provided by the United Nations Office for Disaster Risk Reduction, "Disaster risk reduction (DRR) is the concept and practice of reducing disaster risks through systematic efforts to analyse and reduce the causal factors of disasters. Reducing exposure to hazards, lessening vulnerability of people and property, wise management of land and the environment, and improving preparedness for adverse events are all examples of disaster risk reduction." This National Desk Survey seeks to provide a snapshot of the extent of legal regulation related to DRR in India.

The survey begins with providing an outline of the government and law-making structure, and by identifying relevant laws and regulations put into place for the purpose of reducing risks from natural disasters. Not only the legal and institutional regime for DRR, but various other laws regulating aspects of daily life, such as building codes, land title registrations, telecommunication, and people's rights are taken into account to analyze the incorporation of DRR elements within them.

Legislative measures are delineated by providing answers to a given set of questions that have been organised around the first four of five priorities laid down in the Hyogo Framework for Action, 2005-2015. These focus on:

- 1. Ensuring that disaster risk reduction (DRR) is a national and a local priority with a strong institutional basis for implementation, including through "policy, legislative and institutional frameworks"
- 2. Identifying, assessing and monitoring disaster risks and enhance early warning
- 3. Using knowledge, innovation and education to build a culture of safety and resilience at all levels
- 4. Reducing the underlying risk factors

Since this is a desk survey, resort has been taken in online and library sources. The primary law dealing with Disaster Management in India is the Disaster Management Act of 2005. Although it can be seen as the overarching legal document that encompasses various aspects of the legal framework for DRR, there exist several other legislative and policy instruments that pertain to various aspects of DRR. For the purpose of this study, 'an attempt has been made to take into account all laws, acts, bills, as well as implementing policies and guidelines. This paper focuses on primary sources to try and analyze the extent of DRR regulation in India.

2) Summary of Main Natural Hazards and Risks in India

India's unique geo-climatic conditions have made it vulnerable to several natural disasters in the past. Natural Calamities such as floods, droughts, cyclones, earthquakes and landslides have been a frequent phenomena in India. Around 60% of the landmass is prone to earthquakes, over 40 million hectares of land is vulnerable to floods; approximately 8% of the total area to cyclones and 68% of the area to drought. From 1990-2000, each year on an average, about 4344 people died and about 30 million people were affected in other ways by disasters.

Seventy five percent of the annual rainfall is received during June to September monsoon. As a consequence, almost all rivers contain heavy discharge of water during this time. Problems of sediment deposition, drainage congestion and synchronization of river floods with sea tides in the coastal plains, has made the problem of floods even worse in the country. Agricultural communities tend to suffer the most.

A drought, on the other hand, is the fall in water or moisture content significantly below the normal or expected amount for a temporary period. A drought occurs as a result of inadequate rainfall, a lack or irrigation facilities etc. Rajasthan is the most drought prone state of India.

The East Coast has been especially prone to cyclones although the West Coast doesn't remain entirely unsusceptible. October and November are the months when more than half the storms developing in the Bay of Bengal or cross the east coast.

As far as earthquakes are concerned, the Himalayan and sub-Himalayan regions, Kutch and the Andaman and Nicobar Islands are particularly prone.

Hazards in India are widespread throughout the country, and while one part could be suffering from a heat wave, another part there could be experiencing a severe cold spell. Geological conditions make several regions in India highly susceptible.

3) Governmental & Law-making structure

The Government of India (GoI) was established by the Indian Constitution. It is the central authority responsible for governing twenty eight states and seven union territories (UTs).

The government works on the basis of a division of powers between the executive, the legislative and the judiciary. The President, or the head of the state, heads the executive branch. The legislature or the Parliament is bicameral in nature and consists of a lower house, the *Lok Sabha* and the upper house, the *Rajya Sabha*. The judicial branch has the Supreme Court as the apex court, under which there are 21 High Courts and a number of lower level civil, criminal and family courts located at the district level. Such a division of powers is followed at the state level also. Together with state governments, the central government forms of part of the federal framework of governance that is followed in India. By the 73rd and 74th amendments to the constitution, a system of local governance at the district and municipal level was institutionalized.

Being a federal country, laws in India can be made at the state level as well as the central level. Which one of the two governments is responsible for legislating on a particular subject is governed by the three lists - the Union List, the State List, and the Concurrent List- provided in the Seventh Schedule of the Constitution of India. The Constitution elaborates further on when the Central Government can decide to legislate on a matter, for instance during an emergency.

The legislative procedure in India for the Central Government requires the proposed law to be passed by the two houses of the Central Legislature. Similarly, the procedure for the states necessitates passing of a bill by the State *Vidhan Sabha* (Lower House) and State *Vidhan Parishad* (Upper House), if this exists in the state.

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1. Background information

Using secondary and legal sources, identify and describe briefly in the table below the governmental structure of the subject country to assist readers understand how the different levels of law and regulation relate to each other.

1. BACKGROUND INFORMATION								
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)					
·	Identify laws that indicate the structure of government, including the number of levels of government and the extent of decentralisation of governmental functions, such as: constitutional framework for different levels of government (e.g. national/provincial/local), and specific laws on decentralisation.							
 How many levels of government are there, and what are they called? How many administrative areas are there (e.g. provinces, local government areas)? 	Constitution of India		Centre, state, local. Local government includes <i>panchayats</i> (local administration by five locally elected citizens), and municipalities.					
2. Is there a separate law on decentralisation of government functions? How does it decentralise? For example, does it establish new institutions or delegate powers to provincial/local government?	Constitution of India	Part XI	India being a federal country, powers are distributed between the union and the states. Part XI of the constitution elaborates on the relationship between the two. Article 246 enumerates the legislative powers of the central parliament and the state legislatures as per the 3 different lists mentioned in the Seventh Schedule of the Constitution. These 3 lists are the Union List, the State List and the Concurrent List. The national parliament can legislate with respect to a matter under the State List a) in the national interest(Art. 249) or b) if a proclamation of emergency is in force (Art. 250).					
	The Constitution, (73rd and 74th Amendment Act), 1992.	Part IX and Part IXA.	The 73rd and 74th Amendments to the Constitution formally recognised a third tier of government at the sub-state level, thereby creating the legal conditions for local self-rule – or Panchayati Raj in rural areas and Municipalities in urban and sub-urban areas.					
		11th and	The 11th and 12th schedules delineate the powers of Panchayats					

1. B	1. BACKGROUND INFORMATION							
Lega	l Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)				
			12th Schedules.	and Municipalities respectively.				
3.	Looking at the Constitution and/or decentralisation law, is there any mention of allocation of responsibility at the different levels for reducing risks related to natural disasters?			The subject of disaster management does not find mention in any of the three lists in the Seventh Schedule of the Indian Constitution. However, there is scope to encourage local governments to take up DRR activities if DRR is viewed not as a standalone subject but as a larger development issue.				
4.	Is this country a member of any region or agreements or issues guidelines for disaster management or risk reduction	member states that could impa	ct on	Yes. - South Asian Association for Regional Cooperation (SAARC): A SAARC Disaster Management Centre (SDMC) was established in New Delhi. SDMC has undertaken the work of knowledge and information dissemination among the SAARC countries and has set up the SAARC Disaster Knowledge Network. - Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) is considering making disaster management one of its key areas of cooperation. - Hyogo Framework for Action 2005				

2. Institutional frameworks, resourcing and community participation in DRR:

The aim is to identify laws that establish the governmental institutions and structures relevant to DRR, and which set out their mandates, and resource allocation mechanisms, including the extent of involvement of communities and civil society. These may include specialist disaster management institutions, bodies established to implement the Hyogo Framework for Action, or authorities charged with planning for adaptation to climate change, as well as government bodies responsible for planning and oversight, public administration at all levels, land use planning, building controls, environmental management, and telecommunications. However, to avoid repetition, the sectoral institutions are not included in this question but are part of the data requested in the section on reducing underlying risks.

2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR							
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)				
Part One. Disaster Management Law							
The key question in relation to DM laws is whether they exist and, if so, the extent to which they incorporate longer term disaster risk reduction, as well as prevention. Issues for investigation include: progress in the development of comprehensive DM legislation (at national level, provincial and local levels), what, if any, elements of existing DM laws and regulations relate to risk reduction and prevention for natural disasters; and whether there is a specified Di role for communities, civil society and the National Red Cross or Red Crescent Society (especially in recognition of its auxiliary status in humanitarian response). A. Disaster Management Institutions							
5. Is there a national disaster management (DM) or civil protection law or regulation? - or a group of regulations? Describe.	Disaster Management Act, 2005		Yes. The Disaster Management Act aims to legislate for the effective management of disasters and for matters connected therewith.				
6. Is there also a national disaster management policy? Is this established by a law? Provide details.	Disaster Management Policy, 2009		Yes. The Disaster Management Policy of India was framed on the basis of the Disaster Management Act, in 2009. The National Disaster Management Authority established by the DM Act was held responsible for coordinating the enforcement and implementation of the policy and plan for disaster management as per Article 6 of the DM Act.				

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all	
	of law / regulation	paras.	extracts)	
7. Is the DM law a national law applicable throughout the terri of the subject country? If so, do establish an integrated nationa system with elements at provir local and/or community level?	pes it	Article 1 (2)	Yes. The Law extends to the whole of India. The law tries to establish an integrated national system by providing for the establishment of DM institutions at the national, state and district levels.	
8. Are there separate provincial on DM laws? Are these connected the national DM law in any way is there a hierarchy of laws betwhem, or a common institution structure?	with v? e.g., ween		Many states have their own, separate disaster management laws. Examples include the Bihar Disaster Management Act, 2004; Uttaranchal Disaster Mitigation, Management and Prevention Act, 2005; the Gujarat State Disaster Management Act, 2003 and the Uttar Pradesh Disaster Management Act, 2005. The subject of disaster management is not mentioned in the state, the union or the concurrent list. Such a subject usually comes under the residuary powers of the Union under entry 97 of the Union List. One view, therefore, holds that the Parliament has the competence to legislate on this subject. However, by practice and convention, State governments have been primarily responsible for managing disasters. The Union government, however, plays a key role by aiding in provision of physical and financial resources as well as by providing	
			complementary measures such as early warning and co-ordination of efforts of all Union ministries, departments and organizations.	
9. Does the DM or other law estal one or more specialist DM institutions? What are they (i.e are their names and what type body are they) and what are th mandates?	Act, 2005 . what of		Yes. Firstly, the act provides for the establishment of the National Disaster Management Authority (NDMA) with the Prime Minister as Chairman. The NDMA has responsibility for laying down the policies, plans and guidelines for disaster management for ensuring timely and effective response to disaster. (Chapter II, Article 3)	
			The Act also provides for the constitution of the National Executive Committee to assist the National Authority in the performance of its	

2. INSTITUTIONAL FRAMEWORKS, RESOUR	2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR					
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all			
	of law / regulation	paras.	extracts)			
			functions. (Chapter II, Article 8)			
			Chapter III elaborates on the State Disaster Management Authorities			
			headed by the respective Chief Ministers, to spearhead and			
			implement a holistic and integrated approach to disaster management			
			in India. (Chapter III, Article 14)			
			Chapter IV makes provisions for the setting up of District Disaster			
			Management Authorities (DDMA). (Chapter IV			
			Article 25)			
			The act also provides for creation of National Institute of Disaster			
			Management to train; carry out research and support policy formulation. (Chap. VII, Article 42)			
			Torridation. (Chap. VII, Article 42)			
			The National Disaster Response Force (NDRF) has been constituted			
			under the DM Act by up-gradation/conversion of eight standard			
			battalions of Central Para Military Forces i.e. to build them up as a			
			specialist force to respond to disaster or disaster like situations.			
			(Chapter VIII, Article 44)			
			Additionally, the Institutional Arrangements that existed even before			
			the passing of this Act include:			
			Cabinet Committee on Management of Natural Calamities (CCMNC),			
			Cabinet Committee on Security, High-Level Committee (HLC), National			
			Crisis Management Committee (NCMC)			
10. Does the DM policy use the same or	Disaster Management		It uses the same implementing institutions.			
different implementing institutions	Policy, 2009					
from the DM law? Describe.						
11. Does the DM law or other law deal	Disaster Management		a. Yes. Article 2(e) defines "disaster management" as inclusive of			

2. INSTITUTIONAL FRAMEWORKS, RESOUR	2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR						
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all				
	of law / regulation para		extracts)				
with: a. Disaster response ¹ ? b. Disaster preparedness ² ? c. Disaster mitigation ³ and prevention ⁴ ? d. Disaster risk reduction ⁵ (DRR)? e. If it includes DRR, how is it defined? (include definition)	Act, 2005		measures to promptly respond to any threatening disaster situation Article 44 provides for the constitution of a National Disaster Response Force and Article 46 provides for the creation of a National Disaster Response Fund. b. Yes. Article 2(e) defines disaster management as including disaster preparedness. c. Yes. Article 2(e)(1) and Article 2(e)(2) include prevention and mitigation as part of disaster management. Article 11(3) elaborating on the National Plan provides for mitigation and prevention. Article 47 accounts for the creation of a National Disaster Mitigation Fund. The Tenth Five Year Plan emphasizes the fact that development cannot be sustainable without mitigation being built into developmental process. d. No				

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¹ "The provision of emergency services and public assistance during or immediately after a disaster in order to save lives, reduce health impacts, ensure public safety and meet the basic subsistence needs of the people affected."

² "The knowledge and capacities developed by governments, professional response and recovery organizations, communities and individuals to effectively anticipate, respond to, and recover from, the impacts of likely, imminent or current hazard events or conditions."

³ "The lessening or limitation of the adverse impacts of hazards and related disasters."

⁴ "The outright avoidance of adverse impacts of hazards and related disasters."

⁵ "The concept and practice of reducing disaster risks through systematic efforts to analyse and manage the causal factors of disasters, including through reduced exposure to hazards, lessened vulnerability of people and property, wise management of land and the environment, and improved preparedness for adverse events."

Note: These definitions are taken from the 2009 UNISDR Terminology on Disaster Risk Reduction, obtained here: http://www.unisdr.org/we/inform/terminology.

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all
	of law / regulation	paras.	extracts)
			e. Not Applicable
 Does the DM law (or any other law) or policy allocate DRR responsibilities in one or more government 	Disaster Management Act, 2005	Article 36, 37	DRR responsibilities are not assigned per say. However, Disaster Management responsibilities are allocated to all ministries.
ministries? If so, which ministries? Describe their allocated roles.		DM Policy	Initially, the Department of Agriculture and Cooperation had the nodal responsibility for managing disasters. After the Gujarat earthquake in 2001, this responsibility was shifted to the Ministry of Home Affairs. Due of the technical nature of certain disasters, the ministries that are responsible for dealing with the specific subject become gain nodal responsibility for that type of disaster.
13. Does the DM law or policy prescribe a role in DM institutions for civil society? If so, how defined and what			Coordination and encouragement efforts with civil society are to be made by different levels of government but no specific, defined role.
is the role? At what levels? a. National? b. Provincial/state? c. Municipal/local?	Disaster Management Act, 2005		Sections 38 (2)(a), 22(2)(j) and 30(2)(xix) of the Act mandate State Governments, SECs of SDMA and DDMA for collaboration with stakeholder agencies including NGOs for the purpose of improving the effectiveness of DM.
			The Act also mandates NGOs to act in an equitable and non-discriminatory manner while assisting or protecting the disaster affected communities. As per sections 24(j) and 34 (l), the responsibility to monitor this falls upon the SEC and DDMAs of the State.
14. Does the DM law or policy prescribe a role in DM institutions for the National Red Cross or Red Crescent Society? If so, how defined and what is the role? At what levels?a. National?b. Provincial/state?			No

. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR				
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)	
c. Municipal/local?	or law y regulation	Parasi		
15. Is there any provision in the DM law or policy to ensure that women have a role and a voice in the DM institutions? If so, how is this regulated or encouraged by law? At what levels does the law provide for women's participation in DM institutions? a. National? b. Provincial/state?			No	
c. Municipal/local? 16. Does the DM law or policy prescribe a role in DM institutions for communities? If so, how defined and what is the role? Does it specify any mechanisms to ensure a voice for all elements of the community in DRR,	Disaster Management Policy, 2009	Section 2.3.1	Section 2.3.1 of the DM Policy puts forth that a holistic and integrated approach is to be taken towards disaster management. Further it provides that the themes underpinning the policy include community based DM, including last mile integration of the policy, plans and execution.	
 e.g. a. Women? b. Different cultural or ethnic groups? c. Vulnerable groups, including children, older persons, persons with disabilities? d. Socially isolated groups and the very poorest people? 	Disaster Management Act, 2005	Article 22(i)	Article 22(i) of the Act which elaborates on the functions of the State Executive Committees provides that SECs must promote general education, awareness and community training. However, not much emphasis is laid on ensuring participation of community members or on defining a specific role for different members of the community.	
17. Describe the main differences in the scope of the DM law and the DM policy concerning prevention and			The law itself provides for the creation of policy by the NDMA. As a result, there are no significant differences between the two.	

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
disaster risk reduction.			
18. Does the DM law or policy, or other			No
legislation, provide for oversight			
mechanisms on DRR			
implementation, including reporting			
and/ or parliamentary oversight?			
B. Hyogo Framework for Action & Clin	mate Change Institutions		
19. Does legislation establish any			For the purpose of implementing the Hyogo framework's activities, a
institutions (including committees),			working group under the chairmanship of Joint Secretary (DM), MHA
or allocate to an existing body,			was established. The group comprises representatives from Ministric
implementation of the Hyogo			of Rural Development, Panchayati Raj, Urban Development, Health
Framework for Action? What			and Family Welfare, Environment and Forests, Women and Child
institutions? What are their			Development, Earth Sciences, Science and Technology and also from
designated roles in DRR?			Planning Commission, NIDM and NDMA. The responsibilities are designated as follows:
			 Priority Action 1: Ministry of Panchayati Raj, NIDM for humar resources, Planning Commission for financial resources, DM Division of MHA.
			 Priority Action 2: National Remote Sensing Agency, Central
			Water Commission, India Meteorological Department,
			Geological Survey of India, DM Division of MHA.
			 Priority Action 3: NIDM,DM Division of MHA, CBSE, NCERT, other research organizations, NDMA, Ministry of Health, HRD, and
			 Priority Action 4: Ministry of Environment and Forest, Rural
			Development, Science and Technology, Health and Family
			Welfare, Urban Development, Planning Commission, DM Division of MHA, NIDM
			and NDMA.
			Priority Action 5: DM Division of MHA.

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
20. Does legislation establish any institutions (including committees), or allocate to an existing body, planning and implementation for adaptation to climate change? What institutions? What are their designated roles in DRR?	or law y regulation	paras	India does not as of yet have a comprehensive law to deal with climate change. There do, however, exist various environmental laws in India. Many policies have been advanced under the aegis of existing environmental and other sectoral legislations so as to tackle the climate change
21. Do the implementation mechanisms for the Hyogo Framework, climate change adaptation and DM institutions intersect? If so, how? Are their mandates complementary or do they overlap? Describe.			Yes.
C. DRR priority and resource allocatio	-	T	
22. Does the budgetary process provide for any dedicated budget line items for DRR and/or minimum percentages for DRR expenditure by government institutions? If so, is there a budget allocated to DRR at national level? How is this prescribed?	Disaster Management Act, 2005	Chapter IX	Chapter IX of the DM Act elaborates on finance, accounts and audits. It provides for the creation of a National Disaster Response Fund (Article 46), National Disaster Mitigation Fund (Article 47), State Funds (Article 48), the allocation of funds by ministries and departments (Article 49), and elaborates on emergency procurement and accounting (Article 50). The Government of India created the National Disaster Response Fund and State Disaster Response Fund as per the provisions of the DM Act in 2010.
			The Finance Commission (a statutory body constituted to define financial relations between the Centre and the States) is appointed by the GoI every five years and is responsible for reviewing the policy and funding mechanisms for DM. A Calamity Relief Fund (CRF) has been set up in each State as per the recommendations of the Eleventh Finance Commission. If funds from the CRF prove to be insufficient during a calamity, then States can seek assistance from the National

2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all	
	of law / regulation	paras.	extracts)	
			Calamity Contingency Fund (NCCF), created at the Central	
			Government level.	
23. Is there a budget allocated to DRR at			Refer to Q. 22	
provincial/state level (if relevant)?				
How is this prescribed?				
24. Is there a budget allocated to DRR at			Refer to Q. 22	
municipal or local level? How is this				
prescribed?				

Part Two. Responsibility, accountability and liability for natural disaster risk reduction

The aim is to identify relevant constitutional or other guarantees that may underpin government responsibility, liability and affected persons' rights to compensation. These may include rights to: safety /life; not to be discriminated against; protection of livelihoods; health; compensation; and to information relevant to DRR. One specific issue on the question of liability, is whether governments are liable for failure to prevent natural disasters affecting the population, including for failure to warn, or for making an erroneous warning. A second, related, issue is whether private individuals are liable for damage caused to others from their property during natural disasters, or for faulty advice/warnings given. A third element is whether there is any system of compulsory insurance against the effects of natural disasters.

A. Constitutional Rights & Gua	rantees for the Population
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A. Constitutional Nights & Guarantees	ioi the ropulation	
25. Are there any guarantees in the	Constitution of India	a. No.
constitution or another law relating		
to individual or collective rights that		b. Yes. (Chapter III, Article 21)
may underpin government		
responsibility or liability, and		c. There is no mention of a right to food in the constitution.
affected persons' rights to		However attempts have been made to have article 21
compensation for damage from		encompass the right to food in various court judgments.
natural disasters? If so, do these		Article 47 of the Directive Principles of State Policy (Chapter
relate to:		IV) directs the state to "regard the raising of the level of
a. DRR in general?		nutrition and the standard of living of its peopleas among
b. Safety /Life		its primary duties,"
c. Right to Food?		,,
d. Right to adequate shelter or		d. Not specifically but some judgements have encompassed it

2. INSTITUTIONAL FRAMEWORKS, RESOUR	2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all		
	of law / regulation	paras.	extracts)		
housing? e. Non-discrimination, (and other relevant civil and political rights)? f. Livelihoods, Health (and other			under Right to Life as per article 21. e. Yes. Equality before law (Chapter III, Article 14) f. The directive principles under part III of the Constitution cover		
economic, social and cultural rights)?			some social and economic rights. Although these are supposed to be non-justiciable, they have been used to help		
g. Compensation for losses due to natural disasters?h. Information?			support arguments to cover these rights under article 21 g. No. However, in the Maneka Gandhi Case, the Supreme Court		
			put forth that the state is obliged to preserve and protect human life under article 21, including the right to live without the deleterious invasion of pollution, environmental degradation and ecological imbalances i. Several judgements now point towards the fact that the right to rescue, relief and rehabilitation is a fundamental right.		
			h. No. However, certain judgements have encompassed it under Article 19(1) which is the Right to Freedom of Expression which is not possible unless all information is available.		
26. Do the above constitutional or other guarantees give residents any personal right of action against the state if the government breaches these rights? E.g. access to a			No information was provided.		
constitutional court, or a claim in a human rights court or tribunal? If so, explain how the law enables this to occur, and who has the right to make					

2. INSTITUTIONAL FRAMEWORKS, RESOUR	2. INSTITUTIONAL FRAMEWORKS, RESOURCING AND COMMUNITY PARTICIPATION IN DRR				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for all		
	of law / regulation	paras.	extracts)		
such claim. E.g.					
a. Is it an individual or a collective right?					
b. Can claimants represent themselves?					
c. Are there costs that mean the poorest people cannot access the remedy?					
d. Are there financial limitations on any such claims (minimum or maximum)?					
B. Liability & Insurance					
27. Does legislation (including case law, where applicable) make government agencies liable for failure to prevent natural disasters affecting the population?	Disaster Management Act, 2005	Chapter X article 56	No While there is no liability for failure to prevent disasters from affecting the population, Article 56 of the DM act provides that if an officer fails to perform his duty as per the provisions of this Act shall be made punishable unless he had obtained the express written permission of his official superior or had another lawful excuse for it.		
28. Are government agencies liable for failure to warn or for making an erroneous warning of natural disaster? If so, what kind of liability? — civil, criminal or both? If so, what are the legal mechanisms for injured parties to seek redress? Are these individual or collective actions, or both?	Disaster Management Act, 2005	Chapter X article 55	Article 55 describes the liability for offences made by departments of the government, erroneous warning being one such offence. However, government agencies have legal immunity in these cases as per article 74.		
29. Do government agencies that fail to warn or make an erroneous warning	Disaster Management Act, 2005	Article 74	Yes. Article 47 elaborates on the Immunity from legal process. and puts forth that "officers and employees of the Central Government,		

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
have legal immunity? If governments have immunity from liability, how extensive is this and/or how and where in law is it defined? Does it apply to all levels of government?	,		National Authority, National Executive Committee, State Government, State Authority, State Executive Committee or District Authority shall be immune from legal process in regard to any warning in respect of any impending disaster communicated or disseminated by them in their official capacity or any action taken or direction issued by them in pursuance of such communication or dissemination."
30. Are private persons (individual or corporate) liable for faulty disaster-related advice or warnings given? Does this apply to volunteers? If so, what kind of liability? – civil, criminal or both? If so, what are the legal mechanisms for injured parties to seek redress? Are these individual or collective actions, or both?	Disaster Management Act, 2005	Chapter X article 54, 58	Article 54 puts forth the punishment for false warning providing that anyone who makes or circulates a false alarm or warning as to disaster or its severity or magnitude, leading to panic will be punishable by law Article 58. elaborates on liability for offences under this act by companies. False warning is one such offence for which corporations too can be held accountable. However, no mention is made of volunteers.
31. Are private persons (individual or corporate) liable for damage caused to others from their property during natural disasters? If so, what kind of liability? – civil, criminal or both? If so, what are the legal mechanisms for injured parties to seek redress? Are these individual or collective actions, or both?			No
32. Is there any system of compulsory insurance against the effects of natural disasters? If so, how is this established by law and what are the main elements of the scheme?			No

3. Early warning and reduction of underlying risk factors through regulation

34. Does this law specify how

If so, describe.

management of this risk is financed?

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
Parts One and Two: Are there laws or regula	tions relating to preparedness,	prevention a	nd/ or risk reduction against the following specific natural hazards (if
relevant)? Such regulations may include som	ne specific laws on rapid-onset d	isasters – Pa	rt One – such as fire regulations and fire service, as well as building
			ulations (e.g. flood plain exclusions, unstable land) , disaster
			vers and forests (flood mitigation, erosion prevention against
	_	_	-onset disasters such as drought and other food security issues –
•		ns, but the m	ain aim of Parts One and Two of this section is to identify which risks
have separate regulation in the subject cour	•		
Part One. Rapid-onset disasters, secto	oral and specific regulation base	d on identifi	ed risks and community participation
A. Cyclones, tornadoes, or storms?			
33. Is there a specific law about this	NDMA Guidelines for the		The NDMA has prepared Guidelines for the Management of
hazard (i.e. not the main DM law)? If	Management of Cyclones,		Cyclones to assist ministries and departments of GoI and state
so, describe the form of regulation to	2008		governments to prepare their DM plans. These guidelines are
· · · · · · · · · · · · · · · · · · ·			
reduce the impact of this risk (if any),			advisory in nature. Although they have been implemented by a
reduce the impact of this risk (if any), and institutional responsibility. At			national authority, their motive is to assist state governments take
reduce the impact of this risk (if any), and institutional responsibility. At what level(s) of government is this			
reduce the impact of this risk (if any), and institutional responsibility. At			national authority, their motive is to assist state governments take action against this calamity.
reduce the impact of this risk (if any), and institutional responsibility. At what level(s) of government is this			national authority, their motive is to assist state governments take

Section

9.5.3

NDMA Guidelines for the

Management of Cyclones,

2008

cyclone prone coastal states and Union Territories, keeping in view the vulnerability of the states and their readiness with investment proposals. The NDMA has been designated as the implementing agency. The scheme is regularly monitored by

NDMA and MHA

3. EARLY WARNING AND REDUCTION OF L Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
Legal Neseal Cit Questions		_	· ·
	of law / regulation	paras.	all extracts)
			developmental plans of respective ministries/departments at the
			centre and state governments
			(ii) Centrally Sponsored/Central Sector Schemes.
			(iii) National Mitigation Projects by NDMA and other specific
			projects either by the central government or state governments;
			funded internally/externally.
			(iv) Public-Private Partnership."
35. Does this law attribute liability for	NDMA Guidelines for the		No
damage caused by:	Management of Cyclones,		
a. failure to warn, or false or faulty warnings of this risk?	2008		
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?			

3. EARLY WARNING AND REDUCTION OF U	NDERLYING RISK FACTORS THRO	DUGH REGUI	ATION
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
36. Does this law regulate the collection and distribution of information on hazards and risks (risk mapping) in relation to this risk? If so, what authority is responsible and what is their mandate?	NDMA Guidelines for the Management of Cyclones, 2008		These guidelines encourage the establishment of a comprehensive Cyclone Disaster Management Information System (CDMIS) covering all phases of DM. The Indian Meteorological Department (IMD) is the nodal agency for providing cyclone warning services. Area Cyclone Warning Centres (ACWC) of IMD generate these special warning bulletins and transmit them every hour in the local languages. The Ministry of Home Affairs (MHA) is the focal point at the national level and it coordinates appropriate dissemination of warnings received from IMD, Central Water Commission (CWC), etc.

3. EARLY WARNING AND REDUCTION OF U	NDERLYING RISK FACTORS THR	OUGH REGUL	ATION
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
 37. Does this law provide for consultation and/or participation about risk mapping, Early Warning or general DRR regarding this risk by affected or at-risk communities? How? If so, does it provide for participation or a voice for all parts of those communities, including: a. Women? b. Different cultural or ethnic groups? c. Vulnerable groups, including children, older persons, persons with disabilities? d. Socially isolated groups and the very poorest people? 	NDMA Guidelines for the Management of Cyclones, 2008	Section 6.4.3 Section 6.4.3 Section 6.4.7	Section 6.4.3 provides that the "planning for DM should enlist horizontal partnership of the community which has to be sought through well recognised techniques like participatory rural appraisal, focused group discussions, etc., involvement of ULBs and PRIs, NGOs, SHGs and all CBOs and, most importantly, the vulnerable groups which are most likely to be affected. "It further goes on to say that historical knowledge of past disasters and traditional coping skills need to be taken into account in the preparation of plans at various levels. Section 6.4.4 provides for the capacity-building of stakeholders. Section6.4.7 encourages volunteerism from within the community. a. No b. No c. Yes
38. Does this law provide for Early Warnings Systems (EWS) for this risk? If so, does it require community involvement in EWS?	NDMA Guidelines for the Management of Cyclones, 2008	Chapter II	d. No Chapter II of the guidelines elaborates on early Warning Systems. At the moment the India Meteorological Department (IMD) is responsible for early warnings related to Cyclones. While multilingual warning dissemination is encouraged to facilitate a community based disaster response, no mention is made of community involvement in EWS. However, the NCRMP emphasizes the strengthening of community capacity in maintaining and operating the EWS as well as

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			community mobilization during an emergency.
 39. If communities are involved in Early Warning Systems (EWS), does this law provide that they: a. Assist in the design of local and community EWS? b. Establish or maintain EWS? c. Provide information for the EWS? d. Have direct and timely access to relevant warnings and data on emerging risks (e.g. telephone, radio or internet access to meteorological or seismological data and analysis)? 	NDMA Guidelines for the Management of Cyclones, 2008		 a. No. b. The guidelines say nothing about this. The operation manual for the NCRMP however, encourages community participation in EWS. c. No d. Yes
B. Earthquake/Tsunami?			
40. Is there a specific law about this hazard (i.e. not the main DM law)? If so, describe the form of regulation to reduce the impact of this risk (if any), and institutional responsibility. At what level(s) of government is this regulated?	NDMA Guidelines for Management of Earthquakes, 2007 NDMA Guidelines for Management of Tsunamis, 2010		National Disaster Management Guidelines have been developed for the Management of Earthquakes. These are advisory in nature. There also exists the National Core Group for Earthquake Risk Mitigation. Additionally, the National Earthquake Risk Mitigation Project has been initiated by the Gol. For the management of Tsunamis too, the NDMA has published a set of guidelines that aim to assist all stakeholders and to guide relevant ministries and departments of the national and state governments, in the preparation of their DM Plans. These too are advisory in nature.
41. Does this law specify how management of this risk is financed? If so, describe.	NDMA Guidelines for Management of Earthquakes, 2007	Section 1.9	Section 1.9.1 requires central ministries, departments and state governments to prepare DM plans in accordance with the guidelines to improve earthquake preparedness, mitigation and

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			emergency response. As per section 1.9.2, the DM plans are to be funded by resources gathered as a result of the "efforts of central and state governments to mainstream DM concerns into developmental programmes such as the Jawaharlal Nehru National Urban Renewal Mission (JNNURM); from allocations to be made by various central governments/departments and state governments in their five-year/annual plans; and from resources available in prevailing response/mitigation funds at various levels, as well as from specially undertaken mitigation projects like the proposed National Earthquake Mitigation Project, the Urban Earthquake Vulnerability Reduction Project (UEVRP), etc. Additional resources may also be mobilised for specific activities as part of Public Private Partnership (PPP) efforts or, from other sources of funding wherever necessary."
	NDMA Guidelines for Management of Tsunamis, 2010	Section 7.7.3	As per section 7.7.3, the sources of funding for the management of Tsunamis will be the same as above.
 42. Does this law attribute liability for damage caused by: a. failure to warn, or false or faulty warnings of this risk? b. failure to take preventive action including by reducing this risk? c. If so, who may be liable - or immune? d. Is it civil or criminal liability, or both? 			No. The guidelines have been prepared to provide assistance to all stakeholders in their disaster management activities and attribute no legal liability for carrying them out.
43. Does this law regulate the collection	NDMA Guidelines for	Executive	The Executive summary of the guidelines provides that

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
and distribution of information on hazards and risks (risk mapping) in relation to this risk? If so, what authority is responsible and what is their mandate?	Management of Earthquakes, 2007	Summary	vulnerability mapping of earthquake-prone areas and the creation of an inventory of resources for effective response will be on the agenda of central ministries and departments and state governments, as well as other key stakeholders and nodal agencies concerned as parallel processes.
		Section 7.5	Section 7.5.2 puts forth that the Ministry of Earth Sciences (MoES) with the aid of the Earthquake Risk Evaluation Centre (EREC) will "encourage the development of standardised methods for earthquake risk assessment and scenario development, support studies to collect the data and knowledge required, develop state of-the art reports, and evolve a procedure for undertaking pilot projects in risk assessment and scenario analysis" Section 7.5.5 states that the MoES in collaboration with nodal scientific agencies and institutions, will ensure the preparation of large-scale landslide hazard maps of areas of high vulnerability.
	NDMA Guidelines for management of Tsunamis, 2010	Section 3.2	Section 3.2.1 provides for the establishment of a vulnerability and risk assessment project.
		Section 2.4.1	In general, the Indian National Centre for Ocean Information Services (INCOIS), inaugurated by the MoES in October 2007, is the nodal agency for monitoring Tsunamis in India and for collecting and providing information on them on the basis of predictive models created through their network of observatories. The guidelines provide that a vulnerability assessment of natural and built environment due to tsunami impact should be done for shores and harbours by the MoES.

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION					
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for		
	of law / regulation	paras.	all extracts)		
 44. Does this law provide for consultation and/or participation about risk mapping, early warning or general DRR regarding this risk by affected or at-risk communities? How? If so, does it provide for participation or a voice for all parts of those communities, including: a. Women? b. Different cultural or ethnic groups? c. Vulnerable groups, including children, older persons, persons with disabilities? d. Socially isolated groups and the very poorest people? 	NDMA Guidelines for Management of Earthquakes, 2007	Section 1.8	Section 1.8.1 explains that the Risk Management (RM) framework, on which the guidelines are based, places communities at the centre, providing a constant interface between the community at risk and other stakeholders. Therefore, a consultative and participatory is emphasized. Further, section 1.8.4 puts forth that the role of community participation in DM is critical for the long-term sustainability of the endeavours made. a. Yes. Section 7.2.1 provides that as part of capacity development, specially designed public awareness programmes will be developed for addressing the needs of women. b. No c. Yes. Section 7.2.1 emphasizes the need for development of public awareness programmes for the physically handicapped, the mentally challenged people, and the elderly d. No specific mention of these groups.		
	NDMA Guidelines for Management of Tsunamis, 2010	Section 1.4	Section 1.4, which speaks about the lessons to be learnt from the past emphasized the need for community involvement in the management of Tsunamis. Section 1.4.2: "The traditional and indigenous knowledge of coastal communities about patterns of tsunamiwill be documented and shared with		

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			tsunami-prone coastal communities." Further in section 1.4, emphasis is laid on the generation of public awareness and dissemination of knowledge to communities about areas likely to be inundated, possible evacuation areas, designated evacuation routes and safe regions etc. a. Yes. The target group for capacity building includes women. (Section 3.13.11)
			b. No.
			c. Yes, as a target group for capacity development. (3.13.11)
			d. No mention of them.
45. Does this law provide for Early Warnings Systems (EWS) for this risk? If so, does it require community involvement in EWS?	NDMA Guidelines for Management of Earthquakes, 2007	Section 1.5.1	The guidelines only briefly bring up the fact that the MoES is the nodal ministry for managing early warning networks and for the dissemination of these early warning messages to all stakeholder groups concerned. No specific mention of communities is made in this regard.
	NDMA Guidelines for the Management of Tsunamis. 2010	Chapter II	Chapter II of NDMA guidelines on Tsunami Preparedness deals with several aspects of Early Warning Systems, the current scenario as well as the improvements required.
			Section 3.11.1 puts forth that SDMAs and DDMAs should conduct repeated public awareness campaigns for making communities in coastal areas familiar with the tsunami early warning mechanisms through workshops, drills and exercises, screening of video films, distribution of information resources, posters etc.

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
46. If communities are involved in EWS,	NDMA Guidelines for		Earthquakes:	
does this law provide that they:	Management of		a. No	
a. Assist in the design of local and	Earthquakes, 2007		b. No	
community EWS?			c. No	
b. Establish or maintain EWS?			d. No	
c. Provide information for the EWS?				
d. Have direct and timely access to	NDMA Guidelines for the		Tsunamis:	
relevant warnings and data on	Management of Tsunamis.		a. No	
emerging risks (e.g. telephone,	2010		b. No	
radio or internet access to			c. No.	
meteorological or seismological			d. Yes	
data and analysis)?				
C. Fire?				
47. Is there a specific law about this	NDMA guidelines on scaling,		Fire services in India come under the 12th schedule of the	
hazard (i.e. not the main DM law)? If	type of equipment and		Constitution under the provisions of Article 243W of the	
so, describe the form of regulation to	training of fire services, 2012		Constitution. The responsibility, therefore, falls upon the	
reduce the impact of this risk (if any),			municipalities to perform these duties. At the moment, fire	
and institutional responsibility. At			prevention services are provided by states, Union Territories (UTs) and ULBs.	
what level(s) of government is this			and OLBS.	
regulated?			However, the NDMA has published guidelines on scaling, type of	
			equipment and training of fire services as per its duties under	
			Section 6 of the DM Act 2005. These guidelines aim to provide	
			standardization and revamping of the fire services in India.	
			Standardization and revamping of the fire services in maia.	
I		Section	Section 3.2.1 of the guidelines provides that every state needs to	
		3.2.1	enact its own Fire Act so that fire vulnerabilities can be reduced.	
			For this purpose, the GoI had prepared a draft model Fire Bill and	
			circulated to all the states in 1958. The guidelines encourage those	
			states which have not enacted their own Fire Act to implement	

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			them.
48. Does this law specify how	NDMA guidelines on scaling,	Section	Section 3.13.3 specifies that funds for the improvement of fire
management of this risk is financed?	type of equipment and	3.13.3	prevention and fire fighting services should come from a twin
If so, describe.	training of fire services, 2012		pronged approach with the Planning Commission and the 13th
			Finance commission of India.
49. Does this law attribute liability for			No
damage caused by:			
a. failure to warn, or false or faulty warnings of this risk?			
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?			
50. Does this law regulate the collection	NDMA guidelines on scaling,	Chapter 5	Chapter 5 on the Mitigation Plan provides that a Fire hazard
and distribution of information on	type of equipment and		response and mitigation plan should be established by ULBs, a
hazards and risks (risk mapping) in	training of fire services, 2012		major component of which will be risk analysis. For this purpose
relation to this risk? If so, what			the local bodies can draw expertise from state level fire agencies as
authority is responsible and what is			well as the NDMA.
their mandate?	NIDAMA - Idalian - Arabina	Carlina	Control 2 44 olds on the control of the district of the land of the
51. Does this law provide for	NDMA guidelines on scaling,	Section	Section 3.11 elaborates on community participation to help deal
consultation and/or participation	type of equipment and training of fire services, 2012	3.11	with fires. It emphasis organization and training of community members, awareness about do's and dont's and knowledge
about risk mapping, early warning or general DRR regarding this risk by	training of fire services, 2012		dissemination among members of the community. However, the
affected or at-risk communities?			community is mentioned as a single entity and no provisions have
How? If so, does it provide for			been made for ensuring a voice for different segments of people
participation or a voice for all parts			within each community.
of those communities, including:			,
a. Women?			

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for		
	of law / regulation	paras.	all extracts)		
b. Different cultural or ethnic groups?					
c. Vulnerable groups, including					
children, older persons, persons					
with disabilities?					
d. Socially isolated groups and the					
very poorest people?					
52. Does this law provide for Early	NDMA guidelines on scaling,		No.		
Warnings Systems (EWS) for this	type of equipment and				
risk? If so, does it require community	training of fire services, 2012				
involvement in EWS?					
53. If communities are involved in EWS,			Not Applicable.		
does this law provide that they:					
a. Assist in the design of local and					
community EWS?					
b. Establish or maintain EWS?					
c. Provide information for the EWS?					
d. Have direct and timely access to					
relevant warnings and data on					
emerging risks (e.g. telephone,					
radio or internet access to					
meteorological or seismological					
data and analysis)? D. Floods?					
	National Flood Ballay and		Flood management is an issue on the argue of states as a series of		
54. Is there a specific law about this	National Flood Policy and		Flood management is an issue on the agenda of states concerned.		
hazard (i.e. not the main DM law)? If	National Flood Management		However, certain national level policy measure in this regard have been put forth. The first such measure taken by the GoI was the		
so, describe the form of regulation to reduce the impact of this risk (if any),	Programme, 1954		establishment of the National Flood Policy and National Flood		
and institutional responsibility. At			Management Programme in 1954 with the aim of ridding the		
what level(s) of government is this			country from the menace of floods.		
regulated?			Country from the menace of noods.		
regulateu:					

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
	Model Draft bill on Flood Plain Zoning, 1975		A model draft bill for Flood Plain Zoning was drafted and sent to the State Governments in 1975. However, flood plain zoning regulations have not been enacted and enforced by most of the states	
	NDMA Guidelines on Management of Floods, 2008		In 2007, guidelines were drafted by the NDMA to aid stakeholders with preparedness, prevention, mitigation in the pre-floods phase and with prompt and effective responses, relief and recovery during and in the post flood phase.	
	Flood Management Programme (FMP		The GoI recently also launched the Flood Management Programme (FMP) under the aegis of the Ministry of Water Resources (MoWR). The projected cost is Rs.8000 crores for the 11th Plan period (2007-12).	
55. Does this law specify how management of this risk is financed? If so, describe.	National Management Guidelines on Management of Floods, 2008	Section 2.5	Funding for the various measures provided in these guidelines is to be sought from central ministries and departments and state governments concerned by making provisions in their annual and Five Year plans. Funding is also to be made available from special mitigation projects to be formulated and implemented by the state governments/SDMAs under the overall guidance and supervision of the NDMA. Additionally, 10 per cent of the Calamity Relief Fund (CRF) is attributed to the purchase of equipment for flood preparedness, mitigation, rescue and relief.	
			Section 2.5.4 provides that a certain percentage of funds available	

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			to District Planning and Development Council in the flood prone
			areas will go towards the implementation of FM schemes in the
			districts.
56. Does this law attribute liability for	National Management		No
damage caused by:	Guidelines on Management		
a. failure to warn, or false or faulty	of Floods, 2008		
warnings of this risk?			
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?		6	V 6 11 256 11 6 11 1111 1 6 N 11 1
57. Does this law regulate the collection and distribution of information on	National Management	Section	Yes. Section 2.5.6 provides for the establishment of a National
hazards and risks (risk mapping) in	Guidelines on Management of Floods, 2008	2.5.6	Flood Mitigation Project by the NDMA. One of the primary functions of this project is to carry out special studies on threat
relation to this risk? If so, what	01 F100us, 2008		perception/vulnerability analysis/flood disaster risk assessment of
authority is responsible and what is		Section	the flood prone areas.
their mandate?		4.4	the mood profile dicas.
then mandate.			Section 4.4 provides that a centralised mechanism for collection,
			archival and distribution of hydrological data from various river
			basins needs to be established on priority basis.
			' '
			In the past the Central Water Commission (CWC) has been
			responsible for this task. The CWC had initiated, in 1978, a
			programme for surveying flood prone areas through the Survey of
			India (SOI) as a pilot scheme, to assist state governments in the
			preparation of flood risk maps.
58. Does this law provide for	National Management	Section	Section 7.2 specifies the various target groups for Capacity
consultation and/or participation	Guidelines on Management	7.2	Development. These include:

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
about risk mapping, early warning or general DRR regarding this risk by	of Floods, 2008		"selected representatives and government officials, concerned with the national and state level DM functions, professionals in
affected or at-risk communities? How? If so, does it provide for			visual and print media, urban planners, infrastructure development experts, engineers, architects and builders, NGOs, community-
participation or a voice for all parts of those communities, including:			based organisations (CBOs), social activists, social scientists, youth organisations such as National Cadet Corps (NCC), National Service
a. Women?			Scheme (NSS), Nehru Yuvak Kendra Sangathan (NYKS), school
b. Different cultural or ethnic groups?c. Vulnerable groups, including			teachers and school children."
children, older persons, persons		Section	Section 8.5 emphasized the need for community-based disaster
with disabilities? d. Socially isolated groups and the very poorest people?		8.5	preparedness and response coordination among various organisations.
, provide propies			However, no specific delineation of different categories of community members is made.
59. Does this law provide for Early	National Management	Section	Section 4.4 on the Expansion and Modernisation of Flood
Warnings Systems (EWS) for this	Guidelines on Management	4.4	Forecasting Services mentions that the CWC, IMD and the state
risk? If so, does it require community involvement in EWS?	of Floods, 2008		governments should establish basin-wise system of Flood Forecasting and early warning. But the issue of EWS is not explored
mvoivement in Lvv3:			in great depth.
			No elaboration on role of communities.
60. If communities are involved in EWS,	National Management		No elaboration on role of communities.
does this law provide that they:	Guidelines on Management		
 a. Assist in the design of local and community EWS? 	of Floods, 2008		
b. Establish or maintain EWS?			
c. Provide information for the EWS?			
d. Have direct and timely access to			
•			
relevant warnings and data on emerging risks (e.g. telephone,			

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./	Answers, comments & extracts (please use quotation marks for all extracts)
radio or internet access to	l community regulation	posses	
meteorological or seismological			
data and analysis)?			
E. Heat/cold waves?			
61. Is there a specific law about this			No
hazard (i.e. not the main DM law)? If			
so, describe the form of regulation to			
reduce the impact of this risk (if any),			
and institutional responsibility. At			
what level(s) of government is this			
regulated?			
62. Does this law specify how			N/A
management of this risk is financed?			
If so, describe.			
63. Does this law attribute liability for			N/A
damage caused by:			
a. failure to warn, or false or faulty			
warnings of this risk?			
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?			
64. Does this law regulate the collection			N/A
and distribution of information on			
hazards and risks (risk mapping) in			
relation to this risk? If so, what			
authority is responsible and what is			
their mandate?			

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
65. Does this law provide for			N/A
consultation and/or participation			
about risk mapping, early warning or			
general DRR regarding this risk by			
affected or at-risk communities?			
How? If so, does it provide for			
participation or a voice for all parts			
of those communities, including:			
a. Women?			
b. Different cultural or ethnic groups?			
c. Vulnerable groups, including			
children, older persons, persons			
with disabilities?			
d. Socially isolated groups and the			
very poorest people?			
66. Does this law provide for Early			N/A
Warnings Systems (EWS) for this			
risk? If so, does it require community			
involvement in EWS?			
67. If communities are involved in EWS,			N/A
does this law provide that they:			
a. Assist in the design of local and			
community EWS?			
b. Establish or maintain EWS?			
c. Provide information for the EWS?			
d. Have direct and timely access to			
relevant warnings and data on			
emerging risks (e.g. telephone,			
radio or internet access to			
meteorological or seismological			

3. EARLY WARNING AND REDUCTION OF U		HROUGH REGL	
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
data and analysis)?			
68. Describe form of regulation, and			N/A
institutional responsibility.			
F. Insect Infestations?			
69. Is there a specific law about this			No
hazard (i.e. not the main DM law)? If			
so, describe the form of regulation to			
reduce the impact of this risk (if any),			
and institutional responsibility. At			
what level(s) of government is this			
regulated?			
70. Does this law specify how			N/A
management of this risk is financed?			
If so, describe.			
71. Does this law attribute liability for			N/A
damage caused by:			
a. failure to warn, or false or faulty			
warnings of this risk?			
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?			
72. Does this law regulate the collection			N/A
and distribution of information on			
hazards and risks (risk mapping) in			
relation to this risk? If so, what			
authority is responsible and what is			
their mandate?			

3. EARLY WARNING AND REDUCTION OF U			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
73. Does this law provide for			N/A
consultation and/or participation			
about risk mapping, early warning or			
general DRR regarding this risk by			
affected or at-risk communities?			
How? If so, does it provide for			
participation or a voice for all parts			
of those communities, including:			
a. Women?			
b. Different cultural or ethnic groups?			
c. Vulnerable groups, including			
children, older persons, persons			
with disabilities?			
d. Socially isolated groups and the			
very poorest people?			
74. Does this law provide for Early			N/A
Warnings Systems (EWS) for this			
risk? If so, does it require community			
involvement in EWS?			
75. If communities are involved in EWS,			N/A
does this law provide that they:			
 a. Assist in the design of local and 			
community EWS?			
b. Establish or maintain EWS?			
c. Provide information for the EWS?			
d. Have direct and timely access to			
relevant warnings and data on			
emerging risks (e.g. telephone,			
radio or internet access to			
meteorological or seismological			

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
data and analysis)?			
G. Landslides and avalanches?			
76. Is there a specific law about this hazard (i.e. not the main DM law)? If so, describe the form of regulation to reduce the impact of this risk (if any), and institutional responsibility. At what level(s) of government is this regulated?	National Disaster Management Guidelines on Management of Landslides and Snow Avalanches, 2009	Executive summary	These guidelines provide that the state governments/SDMAs of landslide affected areas in consultation with the NDMA will establish the necessary techno-legal and techno-financial mechanisms to address this problem in their states. In addition, the guidelines provide that District plans for land use could be developed to minimise the risk of landslides. Further, the district administration is to generate a community contingency fund for the purpose of post-disaster issues. An important role is to be assigned to the NDMA and the nodal agency (GSI) in these plans for the purpose of coordinating and ensuring their implementation at the national, state, district, and local levels.
77. Does this law specify how management of this risk is financed? If so, describe.	National Disaster Management Guidelines on Management of Landslides and Snow Avalanches, 2009	Section 11.6	In section 11.6 it is specified that specific allocations towards landslide management should be made in the Five-Year and Annual Plans, by central and state ministries/departments. Further, it provides that 10 per cent of the Calamity Relief Fund is also to be made available for the purchase of equipment for landslide preparedness and mitigation, as well as for rescue and relief operations. Finally, the NDMA proposed national landslide mitigation project in the Eleventh Five-Year Plan is to aim to comprehensively deal with basic issues of landslide hazard management in India. Section 11.6.1 further elaborates that Disaster management plans need to be mainstreamed into development plans and wherever necessary and possible, involvement of the corporate sector is to be sought.

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
78. Does this law attribute liability for			No	
damage caused by:				
a. failure to warn, or false or faulty				
warnings of this risk?				
 failure to take preventive action 				
including by reducing this risk?				
c. If so, who may be liable - or				
immune?				
d. Is it civil or criminal liability, or				
both?				
79. Does this law regulate the collection			Geological Survey of India (GSI) has been designated as a nodal	
and distribution of information on			agency for conducting landslide risk analysis and state specific	
hazards and risks (risk mapping) in			studies are already carried out by GSI. These guidelines don't make	
relation to this risk? If so, what			any other provisions for risk mapping purposes.	
authority is responsible and what is				
their mandate?			Snow and Avalanche Study Establishment is the nodal agency for	
			conducting studies related to avalanches.	
80. Does this law provide for	National Disaster	Guideline	The guidelines emphasise that district level community based	
consultation and/or participation	Management Guidelines on	S	preparedness plans are crucial for management of landslides. The	
about risk mapping, Early Warning or	Management of Landslides	Overview	district administration is to be responsible for constituting village	
general DRR regarding this risk by	and Snow Avalanches, 2009		level disaster management committees that enforces disaster	
affected or at-risk communities?			preparedness plans. These committees will include local elected	
How? If so, does it provide for			representatives, government functionaries, local non-	
participation or a voice for all parts			governmental organisations/community based organisations and	
of those communities, including:			other local groups.	
a. Women?		Coction	Costion 9.2.2 on community adjustion provides that investments	
b. Different cultural or ethnic groups?c. Vulnerable groups, including		Section 8.2	Section 8.2.2 on community education provides that investments in disaster education, public	
 c. Vulnerable groups, including children, older persons, persons 		0.2	awareness, community leadership development, and disaster	
ciliuren, older persons, persons			awareness, community readership development, and disaster	

3. EARLY WARNING AND REDUCTION OF UN	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
with disabilities? d. Socially isolated groups and the very poorest people?			education of unemployed youth, physically challenged, elderly, women, and school children is to be promoted. a. Yes b. No specific mention c. Yes	
81. Does this law provide for Early Warnings Systems (EWS) for this risk? If so, does it require community involvement in EWS?	National Disaster Management Guidelines on Management of Landslides and Snow Avalanches, 2009	Section 1.5	d. No specific mention Yes. Section 1.5 delves into Early Warning Systems for Landslides. Section 1.7.5 deals with Early Warning Systems against Snow Avalanche Hazards The importance of a community based early warning system is repeatedly emphasized in this document. "People-centred early warning systems empower the communities to prepare for and confront the fury of natural disasters."	
 82. If communities are involved in Early Warning Systems (EWS), does this law provide that they: a. Assist in the design of local and community EWS? b. Establish or maintain EWS? c. Provide information for the EWS? d. Have direct and timely access to relevant warnings and data on emerging risks (e.g. telephone, radio or internet access to 	National Disaster Management Guidelines on Management of Landslides and Snow Avalanches, 2009		 a. No specific mention of this. b. No Specific mention of this. c. No specific mention of this but in section 2.4.1 it is put forth that landslide inventory maps are to be created derived from historical archives, field data collection, interviews of the affected community. d. Yes. 	

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./	Answers, comments & extracts (please use quotation marks for all extracts)
meteorological or seismological	, .0.		
data and analysis)?			
H. Volcanoes?			
83. Is there a specific law about this			No
hazard (i.e. not the main DM law)? If			
so, describe the form of regulation to			
reduce the impact of this risk (if any),			
and institutional responsibility. At			
what level(s) of government is this			
regulated?			
84. Does this law specify how			N/A
management of this risk is financed? If			
so, describe.			
35. Does this law attribute liability for			N/A
damage caused by:			
a. failure to warn, or false or faulty			
warnings of this risk?			
b. failure to take preventive action			
including by reducing this risk?			
c. If so, who may be liable - or			
immune?			
d. Is it civil or criminal liability, or			
both?			
86. Does this law regulate the collection			N/A
and distribution of information on			
hazards and risks (risk mapping) in			
relation to this risk? If so, what			
authority is responsible and what is			
their mandate?			

3. EARLY WARNING AND REDUCTION OF ULgal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
87. Does this law provide for consultation		·	N/A
and/or participation about risk			
mapping, Early Warning or general			
DRR regarding this risk by affected or			
at-risk communities? How? If so, does			
it provide for participation or a voice			
for all parts of those communities,			
including:			
a. Women?			
b. Different cultural or ethnic groups?			
c. Vulnerable groups, including			
children, older persons, persons			
with disabilities?			
d. Socially isolated groups and the			
very poorest people?			
88. Does this law provide for Early			N/A
Warnings Systems (EWS) for this			
risk? If so, does it require community			
involvement in EWS?			
89. If communities are involved in Early			N/A
Warning Systems (EWS), does this law			
provide that they:			
a. Assist in the design of local and			
community EWS?			
b. Establish or maintain EWS?			
c. Provide information for the EWS?			
d. Have direct and timely access to			
relevant warnings and data on			
emerging risks (e.g. telephone,			
radio or internet access to			

3. EARLY WARNING AND REDUCTION OF U			
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./	Answers, comments & extracts (please use quotation marks for all extracts)
motogralogical or coismological	or law / regulation	paras.	all extracts)
meteorological or seismological data and analysis)?			
Part Two. Slow-onset disasters, secto	ral and specific regulation hase	d on risks a	d community participation
I. Drought and related famine?	Tar and specific regulation base	T TISKS GI	
 90. Is there a specific law or institutional mandate for drought preparedness and risk reduction, especially for agriculture and related industries? In particular: a. Rain and river water storage, distribution and conservation measures? b. Development and maintenance of ground water extraction, storage and distribution? If so, describe the forms of regulation. At what level(s) of government is this regulated? 	NDMA Guidelines on Management of Drought, 2010 Draft National Water Policy 2012 (NWP)		There exist the National Disaster Management Guidelines on Management of Drought. These guidelines are advisory and aim to assist state governments and central and state ministries in the development of their DM plans. a. Yes b. Yes (Section 4.3.1) The Ministry of Water Resources published the Draft National Water Policy 2012 (NWP) on June 7, 2012. The draft NWP was placed before the National Water Board and National Water Resources Council in February 2012. It was finalized and adopted by the National Water Resources Council on August 9, 2012 and is under deliberation by the National Water Board. a. Yes (Section 5 and 8)
			b. Yes. (Section 5) As per the constitution, it is the states that have the responsibility to put into place suitable policies, laws, and regulations on water (Item 17 in List II of the Seventh Schedule or the State List). The NWP seeks to provide an overarching national legal framework of general principles on water that can be used by states to draft their legislation on the governance of water.
91. Is there a specific law or institutional	The drought early warning		Yes.
mandate for early warning and	surveillance and early		a. The drought early warning surveillance and early response

3. EARLY WARNING AND REDUCTION OF U	NDERLYING RISK FACTORS THRO	DUGH REGUL	ATION
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
response to drought, to mitigate the effects of drought and help prevent famine? In particular: a. Is an institution legally mandated to issue drought early warnings? If so, how is this regulated? b. Is an institution legally mandated to impose water use restrictions? If so, at what level(s) of government? c. Is there legal provision for diversion, piping or transporting water to drought-affected areas? If so, at what level(s) of government?	response system		system prepared by the Department of Agriculture & Cooperation (DAC)in 2004, involves at least 11 Ministries and departments. The IMD is responsible for drought forecasting. It compiles weekly rainfall summaries on the basis of which it determines the occurrence of meteorological droughts on a sub-divisional basis(as the country is divided into 36 subdivisions.) The data is then transmitted to an institutional mechanism called the Inter-Ministerial Crop Weather Watch Group (CWWG), which was set up in 1979, in the Ministry of Agriculture, which meets every Monday through the year. This way measures regarding droughts can now be taken in July-August, i.e within the monsoon season itself. b. The Central Water Commission (CWC) is the apex agency in the field of water resources including flood management in India and is mandated to take decisions regarding water use.
92. Do the above laws or mandates specify how management of drought and famine risk is financed? If so, describe.	National Disaster Management Guidelines on Management of Drought, 2010	Chapter 2	c. No Chapter 2 of the guidelines elaborates on the Institutional framework and financial arrangements. However, instead of giving specific details about how drought and famine risk is to be financed, a general framework of disaster management institutions and financing is provided.
93. Do the above laws or mandates regulate the collection and distribution of information on drought and related famine risks? If so, what authority is responsible and	National Disaster Management Guidelines on Management of Drought, 2010	Chapter 3	Chapter 3 on Assessment and Early Warning provides for the establishment of the India Drought Management Centre along with Drought Monitoring Cells at the State levels to facilitate the integration of data and expertise from multiple institutions such as ICAR, NRSC, IMD, Agricultural University, State Departments of

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
what is their mandate?	or law / regulation	paras.	Irrigation, Ground Water, Revenue, Agriculture, etc., so that a robust method for drought intensity assessment similar to the US Drought Monitor can be put into place in India.
 94. Do the above laws or mandates provide for consultation and/or participation about drought and famine risk, early warning or general DRR regarding drought and famine by affected or at-risk communities? How? If so, does it provide for participation or a voice for all parts of those communities, including: a. Women? b. Different cultural or ethnic groups? c. Vulnerable groups, including children, older persons, persons with disabilities? d. Socially isolated groups and the very poorest people? 	National Disaster Management Guidelines on Management of Drought, 2010	Section 5.6	Yes. Section 5.6 of the guidelines elaborates on Community Participation. The guidelines encourage the opening up of opportunities for public representatives to contribute to planning and monitoring drought management programmes. a. Mention is made of the important role played by Women' self help groups in mitigation measures. b. No c. No d. Yes. Section 5.4.1 on community awareness elaborate that since low income groups are the most vulnerable to drought, they must be educated about alternate livelihoods, supplementing income, government scheme for them etc.
J. Other food security risks?			
 95. Is there a specific law or institutional mandate concerning threats to food security other than droughts? (e.g. predicted effects of climate change, such as inundation of agricultural land and/or mass migration). a. If so, describe the form of regulation to reduce the impact of 	National Food Security Bill, 2011	Chapter III, Article 9	 The National Food Security Bill is under consideration. Chapter III, Clause 9 of the bill expands on ensuring food security for emergency and disaster affected persons. a. The State Government can decide to provide to affected households, two meals, free of charge, for a period up to three months from the date of disaster.

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
these risks (if any), and institutional responsibility b. At what level(s) of government is this regulated?			b. While the responsibility for providing free meals falls on state governments, the costs may be shared as prescribed by the central government.	
96. Does the above law or mandate specify how management of food security is financed? If so, describe.	National Food Security Bill, 2011	Chapter X, Clause 31 Financial Memoran dum	Section 31 of the bill provides that In case of short supply of foodgrains from the central pool to a State, the Central Government is deemed to provide funds to state governments so they are able to meet their obligations under this act. The Financial Memorandum at the end of the bill further clarifies that the "central pool" of foodgrains is to consist of reserves for various food security schemes. The cost for this is to be borne by Central Government as a recurring expenditure. (These buffer stocks are already being maintained by the GOI for its ongoing Targeted Public Distribution System)	
97. Does the above law or mandate regulate the collection and distribution of information on hazards and risks to food security, particularly those relating to agricultural production? If so, what authority is responsible and what is their mandate?			No	
98. Does the above law or mandate provide for community consultation and/or participation about risk reduction from threats to food security? How? If so, does it provide for participation or a voice for all			No	

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
parts of those communities,				
including:				
a. Women?				
b. Different cultural or ethnic groups?				
c. Vulnerable groups, including				
children, older persons, persons				
with disabilities?				
d. Socially isolated groups and the				
very poorest people?				
Part Three. Early Warning, Hazard Map	ping and Risk Information			
A. Early Warning				
99. In addition to the sectoral laws	Disaster Management Act,	Article 30	Article 30 is on the powers and functions of District Authority.	
above, is there any general	2005		Under Article 30 (2) (xiv) it is put for the District Authority may set	
obligation to establish early warning			up, maintain, review and upgrade the mechanism for early	
systems (EWS) in the disaster			warnings and dissemination of information.	
management law?				
a. If so, does this include institutional			a. Yes	
mandates on EWS?				
b. Which institution(s) are involved			b. The District Authorities which may set up, maintain, review	
and what are their mandates on			and upgrade EWS.	
EWS?				
c. Is there legal provision for financing of EWS?			c. No specific provision for financing of EWS in specific.	
linancing of Ews:			However, the act elaborates on funding for DM in general.	
	Disaster Management Policy,	Section		
	2009	2.4.1	Section 2.4.1 states that one of the objectives of the National	
	2003	2.4.1	Policy is the development of contemporary forecasting and early	
			warning systems that with the help of information technology	
			support are backed by responsive and fail-safe communication.	
		Section		

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
		5.2.4	Section 5.2.4 of the policy states that it is necessary to establish, upgrade and modernise the forecasting and early-warning systems for all types of disasters.
			a. Yes
			b. The nodal agencies responsible for monitoring and carrying out surveillance, for specific natural disasters, are responsible for their maintenance and up gradation. All States are required to provide to the India Meteorological Department, the required infrastructure for upgradation/establishment of meteorological observation systems. Partnerships with the World Meteorological Organisation (WMO), Pacific Tsunami Warning System and other regional and global institutions for Early Warning and Forecasting purposes is encouraged.
	NDMA Guidelines on Information and Communication Systems, 2012		c. Not specifically. Section 5.8 of the NDMA guidelines on Information and Communication System too deals with Forecasting and Early Warning in India and the improvements required in this area.
100. Does EWS regulation include requirements for community consultation and participation in development of EWS? Describe.	Disaster Management Policy, 2009 Disaster Management Act, 2005		No. A general community based preparedness approach is promoted. However, no specific mention is made of community involvement in EWS systems.

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
101. Does EWS regulation provide for	Disaster Management Act,		No	
community-based early warning data	2005			
collection? Describe.				
102. Does EWS regulation provide for	NDMA Guidelines on		Yes. A community based approach is promoted in the DM Act and	
timely and reliable access for at-risk	Information and		Policy and the NDMA Guidelines on Information and	
communities to EWS, meteorological	Communication		Communication Systems specifically make provisions for timely last	
or seismological data (as relevant)?	Systems, 2012		mile connectivity towards the community.	
Describe.				

3. EARLY WARNING AND REDUCTION OF U	NDERLYING RISK FACTORS THRO	DUGH REGUL	ATION
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
 103. Does the law regulating telecommunications infrastructure and delivery include any DRR criteria in general, or any specific measures such as: a. geographical coverage of telecommunications to include remote and/or at-risk areas? b. priority access to communications technology for at-risk communities 	National Telecom Policy, 2012 (NTP)	Preamble, section 15 Section V	Section 15 of the NTP recognises the importance of robust and resilient telecom networks for adequately addressing the need for proactive support for mitigating disasters. Under section V on Strategies, the following points are made: Section 5.12.emphasizes the prescription of sectoral Standard Operating Procedures to aid effective and early mitigation during disasters and emergencies. Section 5.13 encourages the creation of an appropriate regulatory
and responders to disaster?c. access for vulnerable groups such as the elderly and persons with disabilities?d. Support for early warning systems?			framework to help provide reliable means of public communication by Telecom Service Providers during disasters. Section 5.14 encourages the use of ICTs in prediction, monitoring and early warning of disasters and early dissemination of information. a. No
			b. No c. No
104. Does the above law impose, or			d. Yes. Section 5.14
 104. Does the above law impose, or allow for the imposition, of any restrictions on use of certain types of telecommunications equipment a. Generally throughout the territory? b. In specified areas? 			INU

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
c. Under specified circumstances?			
B. Risk identification, assessment and	monitoring		
above, does the disaster management law regulate the collection and distribution of information on hazards and risks (risk mapping)? If so, what authority is responsible and what is their mandate?	Disaster Management Act, 2005	Article 42 (8)	Article 42(8) provides that the National Institute of Disaster Management will be responsible for planning and promoting training and research in the area of disaster management, and for the documentation and development of a national level information base related to disaster management policies, amongst other duties. Apart from this provision in the DM Act, there was also the Expert Group constituted by the Ministry of Urban Affairs & Employment in 1997 that prepared a Vulnerability Atlas for three common natural hazards in India, namely earthquakes, cyclones and floods.
106. Does the disaster management law, or another law, regulate the collection and publication of seismological, meteorological and climatic data relevant to natural disasters? If so, what does it require and who is responsible for this, and under what law?			There is no specific legislation regarding this, however, the Indian Meteorological Department, established by the Government of India in 1875 is usually responsible for date collection and dissemination regarding this. Reaching out to communities for early warning and forecasting purposes is one of the main activities of the IMD.
107. Does the disaster management law, or another law, regulate the collection and publication of baseline population data, especially in high risk areas? If so, what does it require and who is responsible for this, and under what law?	Census Act, 1948 As amended in 1994		There is the census act which provides for the collection and publication of population data. However, there is no emphasis laid on high risk areas. The central government may through an official gazette decide to undertake the census (Article 3) and for this it may appoint a census staff.

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			The census is published regularly. However, there is no specific mention of community level access to data.

Part Four. Regulation of the Built Environment

The aim is to outline the laws and regulations that set out building and construction standards, relevant approvals and enforcement processes, as well as planning and construction of roads & bridges, and land use planning and zoning, such as: urban and rural planning and zoning, including prohibitions on development of high risk sites, public open space for evacuation, access for rescue services such as fire and ambulance, and including regulation of informal settlements; regulation and responsibility for water storage, distribution and quality control for human consumption, flood mitigation construction and other water management against flooding; land tenure, including mapping and registration of tenure rights (especially participatory land mapping with communities) and any recognition of indigenous land rights and occupiers' rights; regulation of emergency and transitional shelter; and regulation or treatment of informal settlements.

A. Building Codes

Identify building and construction codes, including fire, flood and earthquake safety, as relevant to identified risks, including any differences in regulation, such as between large urban construction and small residences in rural villages; building regulations, including approvals, inspection and enforcement; and any regulation of emergency and transitional shelter, and informal settlements.

any regulation of emergency and transitional shelter, and informal settlements.				
108. Is there a national building and	The National Building Code	There exists the National Building Code of India as implemented in		
construction law? If so, what	of India (NBC), 2005.	2005. The code provides guidelines for regulating the building		
authority is responsible for its		construction activities across India serving as a model code for all		
implementation?		agencies involved in building construction.		
109. If there is not a national building		No information is provided		
and construction law, is this issue				
regulated at provincial/state or local				
level? If sub-national regulation only,				
can you find an example of such a				
law?				
110. Does the building and construction	The National Building Code	The National Building Code is advisory in nature and contains		
law include detailed building codes,	of India, 2005.	various guidelines for construction work.		
regulations or rules? Are these codes				
mandatory and binding? What areas		Part IV. Fire and Life Safety		
do they cover (e.g. fire, earthquake,		Part VII. Constructional Practices and Safety		

3. EARLY WARNING AND REDUCTION OF U	. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
general building design and construction, health requirements,			Part IV Section 1. Water Supply Drainage and Sanitation.	
water & sanitation etc.)? List these			In addition to this, there are hazard specific codes designed by	
categories of regulation.			Bureau Of Indian Standard to ensure structural safety against	
			natural hazards like floods, cyclone, landslides and earthquakes.	
111. Does this law include mechanisms for individual building approvals? If so, which institution(s) have responsibility for this?	The National Building Code of India, 2005.	Section 1.1	Section 1.1 provides that no person is to carry out development, to erect, re-erect, make alterations to or demolish any building or cause the same to be done without acquiring a separate permit for such development/building from the Authority.	
		Section	Section 2.1 explains that 'the Authority' having jurisdiction is that	
		2.1	which has been created by a statute, for the purpose of	
			administering the code, which may authorize a committee, official or agency to act on its behalf.	
		Section	Section 11.1.2 further elaborates that specific approvals from Civil	
		11.1.2	Aviation Authorities, Fire Services Department, Pollution Control Board, designated authorities under Factories Act/Cinema	
			Regulation Act, Urban Arts Commission, designated Coastal	
			Regulation Zone Authority, Archeological Survey of India, Heritage	
			Committee and any such other authority as may be applicable are to be obtained.	
		Section	Section 11.1.3 provides that in order to avoid separate clearance	
		11.1.3	from all aforementioned bodies, the Authority may constitute a	
			Development/Building Permit Approval Committee consisting of	
			representative of the team of building officials, representatives of	
			all bodies/ organizations from whom clearance for development so	
			only a final approval from the Authority will suffice.	

3. EARLY WARNING AND REDUCTION OF U	NDERLYING RISK FACTORS THR	OUGH REGUI	LATION
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
 112. Does this law include mechanisms for building inspections? If so, which institution(s) have responsibility for this? Does it apply to: a. New buildings? b. Renovations / extensions of existing buildings? c. Existing buildings where there is no building application, such as old buildings that may no longer be safe? 	The National Building Code of India, 2005.	Part 2, Section 14.1	Part 2, Section 14.1 provides that all construction for which a permit is required shall be subject to inspection by the Authority. Additionally, certain types of construction that involve unusual hazards or require constant inspection shall come under continuous inspection of special inspectors appointed by the Authority. a. Yes b. Yes c. Yes. Section 3.8 under Part 2 provides that this code does not require the removal, alteration or abandonment, or non-occupancy of an existing building, unless the Authority opines that such building/development constitutes a hazard to the safety of the adjacent property or the occupants itself in which case the code becomes applicable.
113. Does this law include mechanisms for enforcement of codes, including sanctions? What type of sanctions (e.g. fines, whole or partial demolition orders)? If so, which institution(s) have responsibility for this?	The National Building Code of India, 2005.	Part 2, Section 9.1	Section 9.1 covers offences and penalties which the Authority can impose. Section 9.1.1 provides that anyone "who contravenes any of the provisions of the Code or any requirements of obligations imposed on him by virtue of the Code, or who interferes with or obstructs any person in the discharge of his duties, shall be guilty of an offence and the Authority shall levy suitable penalty or take other actions as per the Code. "This penalty can be the collection of arrears of tax. Section 9.1.2 provides that the buildings/developments that flout

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			the applicable statutory rules can be demolished or brought within the limits as per the rules.
			Section 9.1.3 puts forth that in case the code is violated then the registered architect, engineer, structural engineer, supervisor, town planner, landscape architect, urban designer and utility service engineer that is responsible for the supervision of the construction/development and for the completion certificate, will be liable to penalties as prescribed by the Authority.
 114. Do the building regulations have special standards or requirements for: a. schools? b. hospitals? c. fire stations? d. other public buildings that may also be required as collective centres in case of disaster (e.g. ministries, sports complexes, churches, mosques etc.)? 	The National Building Code of India, 2005.		There are no special requirements for the following buildings. However, section 5 on Community open spaces and amenities provides for reservation of a certain amount of land for recreational purposes and for other amenities such as parking.
115. Do the building regulations or land use planning laws (or other special laws) include regulation of large commercial buildings and developments (such as multi-storey shopping centres, office buildings and factories)? Identify & describe.	The National Building Code of India, 2005.	Part 0, Section 31.	Buildings are classified as Residential, Educational, Institutional, Assembly, Business, Mercantile, Industrial, Storage and Hazardous in groups and sub-division as classified in Part 4 on 'Fire and Life Safety'. The code has various provisions on development control rules and general building requirements; building materials; fire and life safety; structural design; constructional practices and safety; building and plumbing services; and landscaping, signs and outdoor display structures with respect to different types of buildings.

3. EARLY WARNING AND REDUCTION OF U	3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
116. Do the building laws/regulations	The National Building Code	Part 2,	Section 12.2.5.1 of the code elaborates on the building plan for	
include large, multi-storey apartment	of India, 2005.	Section	multi -storeyed/special buildings. Construction of these buildings	
buildings? Identify & describe.		12.2.5.1	can only be commenced after approval in 2 stages. During stage 1,	
			a sanction for planning is to be obtained from the Authority. After	
			this, a complete set of structural plans, sections, details and design	
			calculations duly signed by engineer along with the complete set of	
			details duly approved in Stage 1 is to be submitted. Once approval	
			is granted in stage 2, then construction can be started.	
117. Do the building laws/regulations	The National Building Code		No. However, Special requirements for low income housing are	
include small self-built	of India, 2005.		provided.	
constructions? Identify & describe.			ANNEX F (Clause 12.23) provides for special requirements of low	
			income housing in rural areas.	
			ANNEX C covers requirements for low income housing in Urban	
			Areas.	
118. Do the building laws/regulations			No.	
differ as between urban and rural				
settings? If building laws/regulations				
are different in rural settings, what				
are the main differences compared				
with urban settings? E.g.				
a. the extent of regulation?				
b. the level of government at which it				
is regulated?				
c. other?	TI N 15		N 6 11 2440 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
119. Do the building/planning	The National Building Code	Section 2.1.18	Yes. Section 2.1.18 speaks about structures which are erected for	
laws/regulations include emergency and transitional shelter? If so, what	of India, 2005.	Section	a short period, such as hutments at project sites, for rehabilitation, temporary defence constructions, exhibition structures, etc.	
form of regulation and which		3.2.5	Section 3.2.5 elaborates certain rules for temporary buildings and	
institution(s) have responsibility for		ر.2.3	structures. For instance, these are only permitted in Fire Zones No.	
matitution(3) have responsibility for		1	Structures. For instance, these are only permitted in the Zones No.	

3. EARLY WARNING AND REDUCTION OF U			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
this?			1 and 2 depending on the purpose for which these are erected. A special permit is required for this purpose and these buildings are to removed on expiry of this permit. Fire precautionary methods too are specified.
 120. Do the building laws/regulations include: a. Inspections? b. programmes and/or incentives for making existing buildings safe (e.g. retro-fitting for earthquake resistance, addition of fire escapes, condemning unsafe buildings 	The National Building Code of India, 2005.	Part 2, Section 14.1	a. Yes. According to Section 14.1 under Part 2, all construction for which a permit is required shall be subject to inspection by the Authority. In addition, certain types of construction that involve unusual hazards or require constant inspection shall come under continuous inspection of special inspectors appointed by the Authority.
including demolition orders, tax or funding incentives for owners to fortify buildings)? If so, what form of regulation and which institution(s) have responsibility for this?		Part 2, Section 12.2.8	b. Yes. In the second revision of the NBC, a number of provisions were thoroughly reviewed in the context of the natural calamities faced by the country. One such important addition was the inclusion of provisions to certify safety of buildings against natural disaster by the engineer/structural engineer and owner. Section 12.2.8 elaborates on the Structural Sufficiency Certificate which must be submitted to the Authority along with the building plan to ensure that the building is safe against various loads, forces and effects including due to natural disasters, such as, earthquake, landslides, cyclones, floods, etc as per Part 6 'Structural Design' and other relevant Codes.
121. What if any provision is there for planning, approval and construction of public roads, bridges and related public works? – describe the authority(s) & mandate(s).	The National Building Code of India, 2005.	Section 12.1.1	Section 12.1.1.1 elaborates on the operational construction/installations of the Government for the following: Railways; National highways; National waterways; Major ports; Airways and aerodromes; Posts and telegraphs, telephones, wireless, broadcasting, and other like forms of communications;

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
			Regional grid for electricity; Defence; and other government services for the community. These may be exempted from the point of view of the byelaws. However section 12.1.1.2 goes on to elaborate on which governmental construction do not come under this exemption.
122. Are there other matters relevant to DRR that are regulated in the building and construction laws of the subject country?	The National Building Code of India, 2005. NDMA Guidelines On Ensuring Disaster Resilient Construction of Buildings and Infrastructure		The Code does try to "meet the requirements of different regions of the country, both urban and rural, by taking into consideration factors, such as, climatic and environmental conditions, geographical terrain, proneness to natural disasters, ecologically appropriate practices, use of eco-friendly materials, reduction of pollution, protection and improvement of local environment and also socio-economic considerations, towards the creation of sustainable human settlements."
	financed through Banks and Other Lending Institutions		Additionally, there exist the National Disaster Management Guidelines for Disaster Resilient Constructions which elaborate on some advisory measures.

B. Land Use Planning Laws

The aim is to identify whether there are national laws and statutory authorities with responsibility for land zoning and/or land use planning. If there is not a national law or authority, the issue may be regulated at provincial/state or local level and examples of these laws may not be available. However, although land use planning is frequently regulated at local government level, the underlying principles or institutional responsibilities may be included in national or provincial laws. Also, many major cities now have planning law overlays that cross local government boundaries, and may be determined under national or provincial/state laws. In other cases, special regimes have been established to manage the course of a major river that crosses many local boundaries (and these laws may also refer to bilateral treaties about cross-boundary water management - for DRR as well as water use – which may bring them under national law through the treaty powers).

• , , .		
123. Are there national laws and	Model Town and Country	The Town and Country Planning Organization (TCPO), an
statutory authorities with	Planning Act , 1960	organisation of the Central government, is responsible for dealing
responsibility for land zoning and/or		with regional, urban and rural planning and developmental
land use planning?	Revised Model Town and	policies. The TCPO formulated a Model Town and Country Planning

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
	Country Planning Act , 1985 Revised Model for Urban and Regional Planning and Development, 1991		Act in 1960 which was revised in 1985. The revised version has been the primary basis for the enactment of most urban and regional planning legislation in the States and UTs. More recently, in 1991 a revised model for Urban and Regional Planning and Development (guidelines on Urban Development Plan Formulation and Implementation (UDPFI)) was brought out by the TCPO in order to combine land planning with development.
			These model acts have aided in the development of land without having to resort to compulsory land acquisition under the Land Acquisition Act of 1894.
124. Is this issue regulated at provincial/state or local level? If so, can you find an example of such a law at each level?			Yes. Most states have their own town planning laws based on the Model laws mentioned above. An example is the Maharashtra Regional and Town Planning Act of 1966.
125. Does the land use planning and/or zoning law include processes for:a. Formal release of land for new developments?b. Approval of each new urban	Revised Model for Urban and Regional Planning and Development, 1991		Model Urban & Regional Planning and Development Law: a. Chapter XI on acquisition, assembly and disposal of land elaborates on the various mechanism by which land can be acquired or disposed off for development purposes.
development? c. Approval of major commercial developments?			b. Chapter VII, article 63 elaborates on the process of asking and getting permission for development.
126. Does the land use planning and/or zoning law include prohibitions on development of high risk sites (e.g. unstable land prone to subsidence,	Revised Model for Urban and Regional Planning and Development, 1991	Chapter II, Section 4 (2)(ii)	c. No different procedure. The guidelines don't impose any prohibitions on development in sites prone to natural disasters. However, the powers and functions of the State Urban & Regional Planning Board (Chapter II) and the metropolitan Planning Committee (Chapter III) include the

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
flood plains, and contaminated sites)?		Chapter III, section 17(2)(a)	formulation of a perspective development plan which pays due regard to natural hazard prone areas.
127. Does the planning / zoning law include public open space for evacuation?	Revised Model for Urban and Regional Planning and Development, 1991		No
128. Does the planning / zoning law allocate or require allocation of land for emergency or transitional shelter in preparation for potential disaster?			No
129. Does the planning / zoning law include provisions for infrastructure installation (water and drainage, sewers, telecommunications, energy) in new developments?	Revised Model for Urban and Regional Planning and Development, 1991	Chap. II, Sec. 4(2)(vii) Chap. III, Sec. 17 (2) (a) (vii) Chap. IV, Sec. 26(2)(v)	The law itself doesn't provide for infrastructure installation. However, the powers and functions of the State Urban & Regional Planning Board (Chapter II) and the Metropolitan and District Planning Committee (Chapter III & IV) include the formulation of a perspective development plan which takes into consideration infrastructural development, if necessary.
130. Does the planning / zoning law include street width regulations for future traffic flow and to ensure access for emergency services such as fire and ambulance?	Revised Model for Urban and Regional Planning and Development, 1991		No

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
 131. Does the planning / zoning law differ as between urban and rural settings? If different in rural settings, what are the main differences compared with urban settings? E.g. a. the extent of regulation? b. the level of government at which it is regulated? c. other? 	Revised Model for Urban and Regional Planning and Development, 1991		The model law covers regulations for both urban and rural areas. The State and Regional Planning Board is responsible for assisting the Metropolitan and District Committees in their work which is elaborated on in Chapters III and IV. a. No b. Yes (Chapter III and IV outline the constitution and duties of the Metropolitan and District Planning Committees) c. No.
132. Does the planning / zoning law include any other matters relevant to disaster risk reduction?	Govt. order no. 31/35/2003- NDM-II, January 20, 2004.		In 2004, the Ministry of Home Affairs developed Model guidelines with necessary recommendations for amendments of Zoning Regulations, Development Control Regulations, Town and Country Planning Act and building byelaws so that structural safety is made viable in hazard prone areas. Several State governments have in fact revised and modified their land use zoning regulations and byelaws to include matters related to DRR. Compliance mechanisms to ensure the implementation of building codes have also been adopted.
C. Land tenure			
 133. Is there a national system of land title registration established under law? a. If sub-national regulation, at what level of government does this occur, if at all? If sub-national, can you find an example of such a law? b. Does the legal mandate for this 	Registration Act, 1908.		The Registration Act requires the registration of documents relating to real property rights with the sub-registrar. However, this act does not help confer titles on people. On 21st August, 2008, India decided to move away from the present system of "presumptive" property titles to the Torrens system which involves clearer property titles, as the Cabinet approved the Department of Land Resources "National Land"

egal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
system require computerisation and/central record at national level? If not, how and where does it require records to be kept?	The Land Titling Bill, 2011 (Revised)		 a. As per the Indian Constitution, "Land" is a State subject for which state governments are responsible. All states have the obligation to legislate on the matter keeping ir mind the idea of Conclusive Titling as well as the loca requirements of the state. To aid this project the Centra Government is developing a model land titling law. b. Chapter 3 of the NLRMP guidelines provides for the computerization of registration and integration with the Land Record Management System. Under this programme, computerization of land records have been done and has been partly successful in Karnataka, Tami Nadu, and parts of Uttar Pradesh, and Maharashtra.
 134. Are there institutions mandated to survey land and/or register title? Does this mandate: a. require or allow community participation in land mapping or surveying for the purpose of establishing titles and/or occupancy and/or usage rights? b. establish a timeframe for the conclusion of land mapping? c. allocate resources for land mapping? 	The National Land Records Modernization Programme (NLRMP) Guidelines, Technical Manuals and MIS 2008-09		Most Indian States have two to three agencies dealing with property records. For instance, the Revenue Department is usually responsible for preparing and maintaining textual records. The Survey and Settlement Department prepares and maintains the maps while the Registration Department is responsible for verification of encumbrances and registration of transfer, mortgage, etc. of property. Some states even possess a Consolidation Department instead of a Survey and Settlement Department. The NLRMP aims to put into a place a single-agency for property records. a. No

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
	, , ,		b. No c. Section 21 of NLRMP guidelines deals with funding.
			21.1(b) provides that for the purposes of surveys and resurveys, central funding may contribute upto 50% of the approved unit cost norm for the States and 100% for the UTs.
 135. Does the land title system allow anyone to purchase or own land, or does it exclude anyone? E.g. can the following own and inherit land under this system: a. Women? b. All ethnic or religious groups? c. Non-nationals? 136. If there is no standardised land title, is there another way to legally recognise land tenure rights (e.g. indigenous title based on ancestral 			Ownership rights over a piece of property are governed by several different laws in India. Moreover, different communities are governed by different personal laws. While purchase of land is more easily permissible, inheritance is governed by Hindu Succession Act for Hindus, the Muslim law (which is different for Shias and Sunnis) for Muslims and the Indian Succession Act of 1925 for Parsis and Christians and they all have different provisions regarding women, ethnic and religious groups and non nationals. A land title is accorded in a 'presumptive' manner. For this, entries under the registration act are read along with personal laws and other records in order to investigate titles to a property. However, since 2008, there has been a move towards more conclusive titling.
lands, or established occupation or use, or other traditional rights to use resources such as gathering or hunting or water rights)? Describe. 137. Is there any legal recognition of traditional or customary law and			Since titles are determined in a presumptive manner, for this purpose investigations of multiple records and complex facts and
practice regarding land occupation or ownership, or community or collective management of land? If so, describe the relevant legislation or			issues are taken into account. Customary law and practices are, hence, given due weight in the recognition of titles. For example, ir Hindu Law customs are given a lot of importance as a source of the law itself. Any age old custom which has been followed by a

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
case law.			community is recognized as Law.
 138. Is there legislation or case law that recognises land tenure as a result of occupation, such as: a. adverse possession (use and occupation of land over a certain period of years in the absence of the legal owner, resulting in a change of ownership)? b. 'squatters' rights' (including any rights to continue inhabiting land and/or vacant buildings or to be given notice of eviction if contested by the legal owner)? 	Indian Limitation Act, 1963	Article 65, Schedule I	 a. Yes. The Limitation Act prescribes a 12 year limitation for a suit dealing with possession of immovable property or any interest therein based on titles. The 12 years are counted from the time "when the possession of the defendants becomes adverse to the plaintiff" Article 64 explains that 12 years from the date of dispossession is the starting point of limitation under Article 64. Article 65 as well as Article 64 read with Section 27 (Extinguishment of right to property) implies that if a suit is not filed by the person affected, within the period of limitation prescribed, then not only the period of limitation comes to an end, but the right based on title or possession gets extinguished. b. Yes. See Q. 137 However, as mentioned in the previous question, an attempt to bring about a change was made in 2008. The Supreme Court of India, in two recent decisions, namely Hemaji Waghaji vs.Bhikhabhai Khengarbhai and State of Haryana Vs. Mukesh Kumar, for instance, took a different approach.
139. If there are parallel systems for recognition of land tenure, such as customary law vs. registered freehold title, does one type of legal claim take precedence over the other?			See Q. 137

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./	Answers, comments & extracts (please use quotation marks for all extracts)
 140. Is there any law or legal mechanism that allows government authorities to compulsorily purchase or requisition land for public purposes? If so, do these purposes include: a. risk reduction from natural disasters? b. land to be kept for evacuation or emergency or transitional shelter? 	Land Acquisition Act, 1894 Land Acquisition, Rehabilitation and Resettlement Bill, 2011.	рагаз.	The Land Acquisition Act allows the Gol to take over land for public purposes. a. Yes. Article 3 (f)(v) defines public purposes as including the provision of residential land to those affected by natural calamities. b. Not exactly. However, article 17 elaborates on special powers in case of urgency wherein the government may take possession of land in case of an emergency. There is also the Land Acquisition, Rehabilitation and Resettlement Bill, 2011 which is currently under deliberation but that makes provisions for disaster affected communities.
 141. Is there a land tribunal or other dispute resolution mechanism that provides for resolution of land tenure disputes? If so, is this accessible to communities? – to individuals? a. Can people without financial means access this system? E.g. are there fees, or requirements to engage lawyers? b. Are such tribunals or mechanisms available throughout the territory, including in rural areas? 			No. Cases can be taken to civil courts by there is no special mechanism for resolving land disputes.

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
Legal Neseal CII Questions	of law / regulation	paras.	all extracts)
D. Informal and precarious settlement		paras.	un extractor
housing is generally constructed by the occu settlements are not served with public infras medical facilities. They are especially vulnera construction materials and methods, and the settlements sometimes arise from mass mig famine). However, many of these settlement of three paths: (1) ignore informal settlement planned resettlement schemes, or (3) regular	anty towns) are areas of housin pants from available materials astructure such as water, sewers/able to the effects of natural disagraph of the effects of sexual disagraph of the outskirts of large of the exist for many years and beconts for the purpose of regulation rize them. The latter approach he	and does not drainage, ro aster, as the om the effec cities followi ome establish (2) relocate nas been tak	ed on land to which the occupants had no prior legal claim. The comply with building and planning laws. These unplanned bads or telecommunications, or public services such as schools and y are often built on high-risk land (precarious settlements), with poor ts of, for example, water contamination during flooding. Informaling disaster (including slow-onset disasters such as drought and hed townships. Approaches taken by governments tend to follow one eresidents either through forced evictions and demolition, or ten in Brazil under its Statute of the City administered by the Ministry existing informal and precarious settlements. Yes a. India's First Five Year Plan (1951-56) put forth that "from a national point of view it was better to pay for the cost of clearing slums than to continue to pay the mounting cost of slums and suffer their destructive effects upon human lives and property indefinitely." b. Yes. Chapter IV, Article 9 gives the power to declare any slum area to be a clearance area to the competent authority. c. Chapter V, Article 14 provides for the right to receive compensation. However, nothing is said about alternative housing. The more recent draft model Property Rights to Slum Dwellers Act, 2011 makes provisions for resettlement. d. Chapter V deals with the acquisition of land and elaborates on the process of eviction and acquisition.

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
residents who are evicted or relocated?			e. Chapter Vi is on the protection of tenants from eviction. Article 19 provides that tenants in slum areas not to be evicted without permission from the competent authority.
 143. Is there a law that mandates recognition and/ or regularization of slums / informal settlements? a. If so, describe the legal regime for regularization, including the responsible institutions. b. Does regularization include the introduction of building codes? Are these mandatory and binding? c. Does regularization include the construction of public infrastructure? If so, how is this financed? d. Does this law authorise or mandate the provision of social services to informal settlements? e. Does this law include any other regulatory measures to address the vulnerability of such settlements to risk from natural disasters? 	Draft model Property Rights to Slum Dwellers Act, 2011		Indian states are responsible for their own slum upgrading policies. Several state governments have enacted legislations or the different aspects of slums. Examples include the establishment of Slum Redevelopment Authority, Patta Act, and the amended versions of the 1956 Act. A draft national slum policy too was presented by the Centra Ministry of Urban Development and Poverty Alleviation but it met with a lack of support from other central departments. a. Recently, a draft model Property Rights to Slum Dwellers Act was proposed by the government. Chapter III speaks about the City/Urban Area Slum Re-Development Committee and Chapter IV discusses the State Slum Redevelopment Authority. b. No c. Article 10 on Slum redevelopment, up-gradation and resettlement schemes delves into this briefly. Sub-section (1) provides that the City / Urban Area Slum Redevelopment Committee will be liable to prepare schemes for up gradation/resettlement which are to

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
			include basic civic and infrastructure services. However, there is no mention of funding.
			d. While the Draft Slum Policy emphasized on provision of certain basic social services, there is no mention of them in the Draft Act.
			e. No
144. Does any law require that informal settlements are included in:			a. No
a. Early Warning Systems?b. Community based DRR education and training?			b. No
145. Does any law provide a mechanism for recognition of tenure	Draft model Property Rights to Slum Dwellers Act, 2011		Squatters on public or private land have no security of tenure and remain prone to eviction.
for residents of informal settlements? a. If so, what types of tenure (e.g. full			However, the draft model Property Rights to Slum Dwellers Act aims to change this.
title, right to occupy or use, right to purchase, tenancy)? b. If so, and such settlements are on privately owned land, is there provision for compensation of those with prior legal tenure?			a. Section 3(1) on Property Rights in the form of dwelling space provides that "every landless person living in a slum area in any city or urban area on 4th June, 2009, shall be entitled to a dwelling space at an affordable cost."
			b. Article 4 (3) provides that "where the slum is located on private land, the City / Urban Area Slum Re-development Committee may in collaboration with the private land owner prepare a scheme for redevelopment or up-

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
	, 0		gradation or resettlement of the slums as the case may be, and for this purpose the Government may compensate the private owner for the land forgone through incentives including grant of additional Floor Space Index and / or transfer of development rights etc."
E. Urban Water and Flood Manageme	nt		
146. Is there one or more national laws regulating and allocating institutional responsibility for water storage, distribution and quality control for human consumption? Is urban water management principally a national, or provincial/state or local responsibility?			The water law framework in India is governed by many different principles, rules and acts adopted over many decades. Statutory water law also includes a number of pre- and post-independence legislation on irrigation, embankments, drinking water supply, irrigation, floods, water conservation, river water pollution, rehabilitation of evacuees and displaced persons, fisheries and ferries.
, ,			In general, water law is largely state based as per the constitutional scheme. Item 17 in list II of 7 th schedule or the State list.
147. If there is a national water authority, does its mandate include risk reduction or preparedness for safeguarding the water supply in the face of natural disasters?	Draft National Water Policy 2012		In June 2012, the Ministry of Water Resources published its Draft National Water Policy. Although it is currently under deliberation, it does place a greater emphasis on preparedness for disasters.
148. Does a national law allocate responsibility for flood mitigation construction and other water management against urban flooding (if relevant to the subject country)? If so, what authority is responsible?	NDMA guidelines on Urban Flood Manangement, 2010		There exist the National Disaster Management Guidelines on Urban Flooding published by NDMA. However, these are merely advisory in nature and do not allocate responsibility to any authority per say. They aim to help various ministries, state governments and their local bodies in the formulation and implementation of their plans for urban flood management.
149. If flood mitigation and water			While flood management laws are enforced at the state level,

3. EARLY WARNING AND REDUCTION OF UNDERLYING RISK FACTORS THROUGH REGULATION				
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for	
	of law / regulation	paras.	all extracts)	
management against urban flooding is regulated at the sub-national level, at what level of government does this occur? Can you find an example of such a law?			Structural and other measures against urban flooding are entrusted to Civic Authorities and Municipal Corporations. For example, the Mumbai Municipal Corporation took up the revamping of the drainage system, along with the augmentation of railway culverts at various flood prone areas, and the removal of obstructions of water mains, cables etc.	

Part Five. Regulation of the Natural & Rural Environment

Outline the laws and regulations concerning environmental management from the perspective of human safety, preservation of livelihoods and food security, including the regulation of exploitation of natural resources, water management, and reducing risks from natural events such as floods, earthquake, drought, landslides, and wildfires, such as: forestry regulation concerning wildfires, deforestation and erosion relevant to prevention of landslides and floods; environmental impact assessments; river and water catchment management relevant to flood prevention and mitigation, and water storage and distribution for human and agricultural consumption; prevention measures relating to drought, especially protection of people, livestock and crops in the face of drought, including water reserves against the risk of drought; and other prevention and risk management mechanisms to maintain food security, including measures to prevent desertification.

A. Human Risks in Environmental Cha	nge		
150. Is there legislation on	The Environment Protection	Chapter	The Central government has the power to take all expedient
environmental protection? If so,	Act, 1986	II, Article	measure to protect and improve the quality of the environment.
what institution has responsibility?		3(1)"	Other specific legislations include, Water Act, 1974; Indian Wildlife
			(Protection) Act, 1972 and the Control of Pollution Act, 1981
	The Forty-Second		
	Amendment Act, 1976	Part III,	The 42 nd Amendment to the Constitution added article 51A (g) in a
		Article	new chapter entitled 'Fundamental Duties', imposing a
		51(g)	responsibility on every citizen 'to protect and improve the natural
			environment including forests, lakes, rivers and wild life, and to
		Part IV,	have compassion for living creature.'
		Article	Article 48A was added to the directive principles of state policy. It
		48A	puts forth that that, 'The State shall endeavor to protect and
			improve the environment and to safeguard the forests and wild life
			of the country.'

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
 151. Does the above mandate include environmental management from the perspective of: a. human safety? b. preservation of livelihoods? c. food security, especially concerning protection of crops and livestock? 	The Environment Protection Act, 1986		 a. Yes. The introduction to the Act puts forth that the Act aims to provide for the protection and improvement of the environment and the prevention of hazards to human beings, other living creatures, plants and property. b. No c. No
152. Does this law provide for environmental impact assessments (EIAs) of any proposed new private and public industrial developments?	The Environment Protection Act, 1986	Environm ent Impact Assessme nt Notificati on S.O.60(E).	Yes. The notification on Environmental Impact Assessment (EIA) of developmental projects which was issued on 27/1/1994 under the provisions of the Environment (Protection) Act. This made EIA mandatory for 29 categories of developmental projects. To this list, another item was added in the year 2000.
 153. If there are EIAs, do the criteria include: a. human risk factors from changes to the environment, including life and health as well as livelihoods and food security? b. assessment in light of the known natural hazards affecting the relevant locality, or downstream communities (where relevant)? 	Environment Impact Assessment Notification S.O.60(E)		 a. Not specifically. However, the application form or Form A requires details such as waste likely to be generated and pollution likely to be caused etc. b. The application Form A consist of a blank regarding Risk Assessment Report and Disaster Management, which needs to be filled out.

3. EARLY WARNING AND REDUCTION OF U			
Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
154. Is there a law that makes any	or law / regulation	paras.	No
•			NO
authority responsible for the			
regulation of exploitation of natural			
resources from the perspective of			
human safety during natural			
disasters? For example, preventing cross-contamination from industrial			
sites during flooding, or control of			
extraction methods to manage			
flooding and/or erosion? B. Forests			
155. Is there legislation on forest	Forest Conservation Act,		Yes. The Forest Conservation Act.
management (if relevant to the	1980, amended in 1988.		The Central government is the overlooking authority. Article 3
subject country)? If so, what			provides for that the Central Government may constitute a
institution has responsibility?			Committee to advise that Government with regard to matters
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			related to forest conservation.
156. Does the above mandate include			a. No
forest management from the			
perspective of natural disaster risk			b. No
reduction, such as:			
a. prevention of wildfires?			c. No
b. deforestation and erosion relevant			C. NO
to prevention of landslides and	National Forest Policy, 1988		While the Forest Conservation Act says nothing about the
floods?	,		aforementioned disaster, sections of the National Forest Policy are
c. other hazards, (such as			dedicated to these issues.
encroachment by wildlife into			dedicated to these issues.
agricultural land or villages)?			Section 4.8.2puts forth that the incidence of forest fires in the
Describe the scope.			country is high and that special precautions must be taken for this.
			country is high and that special precautions must be taken for this

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			Section 2.1 puts forth that "the basic objectives that should govern
			the National Forest Policy are the following: · Checking soil erosion
			and denudation in the catchment areas of rivers, lakes, reservoirs
			in the "interest of soil and water conservation, for mitigating floods
			and droughts and for the retardation of siltation of reservoirs."
			The policy does not mention other hazards.
157. Does the law recognize customary	Scheduled Tribes and Other		While the Forest Conservation Act itself does not specifically
laws and practices as to the use and	Traditional Forest Dwellers		address the issue of customary law and practices, there does exist
management of forests and their	(Recognition of Forest		the Scheduled Tribes and Other Traditional Forest Dwellers
resources?	Rights) Act, 2006		(Recognition of Forest Rights) Act, 2006. This law deals with the
			rights of forest-dwelling communities to land and other resources,
			which have been denied to them for several decades now as a
			consequence of a of prevailing colonial forest laws.
158. Does the law provide for use,			The Forest Conservation law itself says nothing about the role of
conservation or management of			communities. However, participation of communities in
forests and their resources by			conservation and management of forests was given its due
communities?			importance in the National Forest Policy.
	Scheduled Tribes and Other		
	Traditional Forest Dwellers		The Scheduled Tribes and Other Traditional Forest Dwellers
	(Recognition of Forest		(Recognition of Forest Rights) Act, 2006 too emphasises the
	Rights) Act, 2006		involvement of communities.
C. Rivers and watercourses			
159. Is there legislation on river and	River Boards Act, 1956.		Regulation as well as development of interstate rivers is a subject
watercourse management (if			under the Union List.
relevant to the subject country)? If	Inter-State River Water		There exists the River Boards Act, 1956 which provides for the
so, what institution has	Disputes Act, 1956		establishment of River Boards for the regulation and developmen
responsibility?			of interstate rivers and river valleys. It is the Central governmen
			that's also responsible for the adjudication of any dispute about
			the distribution or control of the waters in any interstate river o

Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
			river valley.
			The Central Water Commission (CWC), an attached office of the
			Ministry of Water Resources, is the primary technical organization dealing with water resources. Its River Management Wing is
			responsible for the management of rivers.
160. Does the above mandate include	River Boards Act, 1956.	Chapter	a. Yes. Chapter III, Article 13 (a)(iv) puts forth that river
river management from the	Niver Boards Act, 1930.	III, Article	boards are responsible for promotion and operation of
perspective of natural disaster risk		13	schemes for flood control.
reduction, such as:			30.13.11.33.13.11.33.13.13.13.13.13.13.13.
a. Riverbed management relevant to			b. Yes. Chapter III, Article 13 elaborates on the river boards'
flood prevention and mitigation?			function to promote and operate schemes for water
b. Water storage and distribution for			conservation, irrigation, hydropower projects etc.
human, agricultural and industrial			
consumption in rural areas?			
Describe the scope.			
161. Does the law recognize customary			No
laws and practices as to the use and			
management of rivers and their			
resources?			
162. Does the law provide for use,			No
conservation or management of			
rivers and their resources by communities?			
D. Drought and food security			
163. Is there any legislation providing			There is no such legislation but there exist the NDMA Guidelines
for risk reduction and prevention			for the Management of Droughts, 2010 and other national level
measures relating to drought (if			schemes such as the Drought Prone Area Programme (DPAP), and
relevant)? If so, does this include any			the Integrated Watershed Management Programme.
institutional mandate or			

3. EARLY WARNING AND REDUCTION OF UI Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
regar rescuren questions	of law / regulation	paras.	all extracts)
responsibility to protect people, livestock or crops in the face of drought?			
164. Does the above mandate include the construction and maintenance of water reserves, including against the risk of drought?	NDMA Guidelines for the Management of Droughts, 2010		Chapter 4 of the guidelines which is on Prevention, Preparedness and Mitigation emphasizes measures such as watershed developments.
165. Is there any other legislation relevant to risk management to maintain food security in the face of natural disasters, including any special measures to prevent desertification (if relevant)?			Again, there is no specific legislation but there are several GOI sponsored programmes that include the Rural Works Programme, Desert Development Programme (DDP), Food for Work Programme, Integrated Watershed Management Programmes etc

4. Information management and exchange, community level DRR education & awareness

Most elements of information, education and awareness will normally be done through policy rather than law, but the legal framework may require public institutions to make DRR information available to the public and/or to carry out public and school education and awareness on reducing risk from natural disasters. For example, there could be a Ministerial directive under the Education Act requiring the inclusion of DRR in the school curriculum. [If this requires repetition of information given above, please note 'see above' and refer to the relevant question number.]

4. INFORMATION MANAGEMENT AND EXCHANGE, COMMUINITY LEVEL EDUCATION & AWARENESS			
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
166. Is there a law that regulates the			See Q. 106
collection and publication of			
seismological, meteorological and			
climatic data relevant to natural			
disasters?			
a. If so, what does it require and who			

4. INFORMATION MANAGEMENT AND EXCHANGE, COMMUINITY LEVEL EDUCATION & AWARENESS			AWARENESS
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
is responsible for this, and under			
what law?			
b. Does it provide for community			
level access to the data?			
167. Is there a law that regulates the			See Q. 107
collection and publication of baseline			
population data, especially in high			
risk areas?			
a. If so, what does it require and who			
is responsible for this, and under			
what law?			
b. Does it provide for community			
level access to the data?			
168. Does the education law or			There is no overarching national education law in India. However,
regulations require inclusion of DRR			the DM Act makes some provisions for DRR related education.
awareness in the school curriculum?			Article 10.2. (p) provides that the National Executive Committee
Does this law or another law such as			must promote general education and awareness in relation to
the DM law also require community			disaster management.
DRR education?			
			Similarly, article 22.2(i) provides that the state executive
			committee must promote general education, awareness and
			community training about disasters that the state is prone to.
			Further, article 42.(9)(f) puts forth that the National Institute, for
			the discharge of its functions, may develop educational materials
			for disaster management including academic and professional
			courses.
	NDM Policy		NDM Policy too makes some provisions for education. Section
	112111 Tolley		10.2.2 emphasizes training for professionals. Section 10.6.1
			provides for the introduction of the subject of DM, by the Ministry
			provides for the introduction of the subject of Divi, by the Willistry

4. INFORMATION MANAGEMENT AND EXCH	ANGE, COMMUINITY LEVEL EDU	JCATION & A	WARENESS
Legal Research Questions	Short Title, no. & date	No.ss./	Answers, comments & extracts (please use quotation marks for
	of law / regulation	paras.	all extracts)
 169. If there is a national disaster management policy, does this require any public authorities to conduct public education and awareness on DRR? a. If so, which authorities and what are they required to do? b. In particular does it require DRR education in schools? 	National Disaster Management Policy, 2009		of Human Resource Development, in the curriculum through the Central Board of Secondary Education, Secondary Education Board as well as the State School Boards by state governments. Section 10.5.1 mentions that professional schools must add DM related coursework. The curricula of graduate and postgraduate and that at the National level, the Ministry of Human Resource Development will encourage the development of DM as a distinct academic discipline, in the universities and institutes of technical excellence. Various sections of the NDM Policy are dedicated to public education and awareness on DRR. a. Different sections of the DM Policy try to bring in various actors for the generation of awareness and education purposes. For instance, section 5.3.5 provides that the media should be utilized for information and knowledge dissemination in all phases of DM. Section 10.3.1 outlines that the NIDM will aid in developing and facilitating the implementation of the National training schedule for DM. It will also be the nodal institution for regional and international cooperation for training. b. See Q. 168
170. If the above law or the national disaster management policy requires public education, does this provide for community level DRR awareness? If so, does this make any provision for community participation in the development and delivery of public	National Disaster Management Policy, 2009		Yes. Section 10.4.1 elaborates on building the capacity of communities as they are the first responders to disasters. This is to include awareness, sensitisation, orientation and developing skills of communities and community leaders.

Legal Research Questions	Short Title, no. & date of law / regulation	No.ss./ paras.	Answers, comments & extracts (please use quotation marks for all extracts)
education and awareness			
campaigns?			
171. Does legislation provide for any	National Disaster		Yes. Section 10.4.1 on capacity building of the community
designated role for the Red Cross or	Management Policy, 2009		provides that assistance from the Red Cross among other Civil
Red Crescent National Society as an			Defence organizations and NGOs/other voluntary organisations
auxiliary to government in DRR			will be encouraged.
education and awareness at			
community level?			
172. Does legislation provide for any			Yes. see Q. 171 and 172.
designated role for Civil Society in			
DRR education and awareness at			
community level?			
173. Does any law provide for			a. See Q.17
community-level results in DRR, such			
as:			b. See Q.17
 a. Natural disaster warnings that 			
extend to community level?			c. No
b. Implementation of incentives to			
carry out community based DRR,			d No
or disincentives to ignore or			d. No
increase risks from natural			
disasters?			
c. Community involvement in land-			
use and urban planning?			
d. Community involvement in and			
education concerning building			
codes?			

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