Development of Sendai Framework “Words into Action”
Implementation Guides – Working Group on DRR
Governance and Accountability

Asian Ministerial Conference on Disaster Risk Reduction
November 03, 2016
Hall 2+3, First Floor, Vigyan Bhawan
New Delhi

Vyas Ji, IAS (Retd.)
Vice Chairman,
Bihar State Disaster Management Authority
1. Sendai to Bihar DRR Roadmap 2015-2030
2. Process of Roadmap Development
3. Disaster Risk Profile of Bihar
4. Roadmap Structure
5. Foundational Element of the Roadmap
6. DRR targets
7. Specific Action for Departments
8. Enabling Policy Architecture
9. Roadmap Implementation Arrangements
10. Monitoring and evaluation
The third World Conference on Disaster Risk Reduction (WCDRR) held in Sendai on 14-18 March, 2015 adopted the Sendai Framework for Disaster Risk Reduction (SFDRR).

SFDRR identified 7 Targets and 4 Priorities.

Decision was taken to convert “Words into Action” in the last week of March, 2015 to develop Bihar’s DRR Roadmap through the Bihar Conference on Disaster Risk Reduction (BCDRR).
Sendai Framework For DRR (2015-30)

Four targets (1-4) has been adapted in Bihar DRR Roadmap

1. Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared to 2006-2015.
2. Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 between 2020-2030 compared to 2006-2015.
3. Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030.
4. Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030.
5. Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020.
6. Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of this framework by 2030.
7. Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030.

Priority Area 1
Understanding disaster risks

Priority Area 2
Strengthening disaster risk governance to manage disaster risk

Priority Area 3
Investing in disaster risk reduction for resilience

Priority Area 4
Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction
Process of Roadmap development:

1. **3rd World Conference on Disaster Risk Reduction, Sendai**
   - Adaptation of Sendai Framework for Disaster Risk Reduction
   - 14th-18th Mar 2015

2. **Decision for Bihar Conference on Disaster Risk Reduction (BCDRR)**
   - Constitution of Organising Committee
   - Mar-Apr-May, 2015

3. **First BCDRR**
   - 13th-14th May, 2015

4. **Drafting of DRR Roadmap**
   - May-Dec 2015

5. **DRR Roadmap Validation workshop**
   - 8th-9th Jan, 2016

6. **DRR Roadmap approved by the Cabinet, GoB**
   - 28th Apr, 2016
“राज्य के खजाने पर आपदा-प्रभावितों का पहला हक है…”
(The disaster affected people have the first right on the state’s treasury…)

Shri Nitish Kumar, Hon'ble Chief Minister, Bihar in his inaugural address of the Bihar Conference on Disaster Risk Reduction (BCDRR), Patna, Bihar, 13th - 14th May 2015.
**Disaster Profile of Bihar:**

**Bihar is prone to multi-hazards like:**

<table>
<thead>
<tr>
<th>Disaster Type</th>
<th>Affected Area Details</th>
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<tbody>
<tr>
<td>Recurring Floods</td>
<td>28 districts out of 38 are prone to floods, Bihar accounts for 17% of the flood-prone area and 22% of the flood-affected population in India</td>
</tr>
<tr>
<td>Earthquake</td>
<td>07 dist. in Seismic zone V (Highest), 21 dist in zone IV (High). Faced EQ in 1934, 1988 &amp; 2015. 63 people lost their life in April, 2015 EQ in Bihar</td>
</tr>
<tr>
<td>High Speed Winds/ Cyclonic storms</td>
<td>27 dists out of 38 are fully affected by high speed winds of 47 m/s intensity. Tornado killed 59 people in April, 2015 in Bihar</td>
</tr>
<tr>
<td>Severe Cold wave, Heat Wave, Lightning, Hailstorm</td>
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<tr>
<td>Village fires in summer</td>
<td>fire hazard of varying intensity covers all the 38 districts of Bihar</td>
</tr>
<tr>
<td>Health emergencies i.e. Acute Encephalitis Syndrome (AES)</td>
<td></td>
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**Climate Change Changing Climate:** showing signs
DRR Roadmap Structure:

1. INTRODUCTION
2. EVOLUTION OF DISASTER MANAGEMENT LANDSCAPE IN BIHAR
3. DISASTER RISK PROFILE OF BIHAR: A SNAPSHOT
4. FOUNDATIONAL ELEMENTS OF THE ROADMAP
5. TARGETS AND MILESTONES
6. SPECIFIC ACTIONS
   - Village
   - Livelihood
   - Basic Services
   - Critical Infrastructure
   - Cities
7. ENABLING POLICY ARCHITECTURE
8. ROADMAP IMPLEMENTATION ARRANGEMENTS
9. MONITORING AND EVALUATION ASPECTS
10. BUDGETARY IMPLICATIONS OF THE ROADMAP
11. ANNEXURES

Principles, Approach and Framework
1. 15 Guiding Principles:
   • Primacy of rights of at-risk communities
   • Partnerships
   • Participation, Inclusion
   • Resilience in Development

2. Approach of Implementation:
   • Multi-hazard focus
   • Phasing

3. Framework:
   • Resilience as the organising principle, goal and means
   • FIVE components – communities and systems
DRR targets:

1. Lives lost due to natural disasters in Bihar would be reduced by 75% of the baseline level by 2030.

2. Lives lost due to transportation related disasters (viz. road, rail and boat accidents) in Bihar would be substantially reduced over baseline level by 2030.

3. People affected by disasters in Bihar would be reduced by 50% of the baseline level by 2030.

4. Economic loss due to disasters in Bihar would be reduced by 50% of the baseline level by 2030.
SPECIFIC ACTIONS FOR DEPARTMENTS
General points for all departments/ agencies:

- Specific Actions has been arranged department/ agency wise.
- Nodal department/ agency will lead the activities whereas supporting departments would provide requisite support to nodal department.
- Level of action (State, District, Block, and Gram Panchayat or Urban area) and the timeline (short-term, medium term and long-term) for each specific activity has been identified.
- Each department/ agency has to make budgetary provisions for the assigned activities in their annual budget; DMD can supplement funds if some of the activities can’t be budgeted by the departments/ agency.
Enabling Policy Architecture
Enabling Policy Architecture:

1. Review of disaster management related policy architecture of Bihar,
2. Legal Amendments required: PRI act & ULB Act (by Urban Development and Housing Department)
4. Notify the Emergency Support Functions (ESF)
5. Guidelines/ manuals/ directives
6. SOPs on Earthquakes, Cyclonic Storms, Crowd Management, Debris clearance, dignified disposal of dead bodies and animal carcasses, Functioning of State and District Emergency Operation Centres (EOCs)
7. Programmes: Resilient Village programme, Resilient City programme and Chief Minister School Safety programme.
ROADMAP IMPLEMENTATION ARRANGEMENTS
Roadmap implementation arrangements:

1. Review of disaster management institutional framework of Bihar,

2. Proposed institutional arrangement
   - **Roadmap Implementation Support Unit (RISU)** will be established in DMD, with a dedicated full-time team of technical experts and appropriate supportive staff. The RISU will support the planning, implementation and monitoring functions of the DRR Roadmap.
   - **State Institute for Disaster Management (SIDM)** will be established to function as the nodal state level capacity building, research, study cum resource centre on disaster management and risk reduction.
   - **State Platform for DRR (SPDRR)**—on the lines of NPDRR. For stocktaking on the implementation of the DRR Roadmap.
   - **State Level Task Force**
## Monitoring and Evaluation:

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<th>Institution</th>
<th>Focus and means of monitoring</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>BSDMA (in annual meetings headed by Hon’ble CM)</td>
<td>Strategic Review (Presentation by DMD)</td>
<td>Annual</td>
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<tr>
<td>CMG/SEC</td>
<td>Review (Line Departments’ presentations)</td>
<td>6 monthly</td>
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</table>
| State Task Force, headed by Hon’ble Minister-DMD | • Coordination among line departments/ agencies  
• Support to line departments and agencies  
• Stocktaking of implementation of Roadmap                                                                                                                                  | Quarterly     |
| Line Departments, headed by respective PS | • Review of action plan for implementation  
• Internal Review of status of implementation of specific tasks assigned to them                                                                                                                                                  | Bi-monthly    |
| Divisional Commissioners | • Review of department’s plan for risk analysis, risk-informed actions and actions taken to perform the specific tasks at the district level  
• (All DMs and divisional level heads of line departments to participate. Chairmen of District Boards and Mayors of ULBs as special invitees)                                          | Group A & B dist.: Bi-Monthly  
Group C dist.: Quarterly |
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<td><strong>DDMA, headed by DMs</strong></td>
<td>• Review of departmental plans and actions taken Review of DDMP</td>
<td>Group A &amp; B dist.: Bi-Monthly Group C dist.: Quarterly</td>
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<td></td>
<td>• Review of Resilient Village and City Programmes</td>
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<td></td>
<td>• All SDOs/BDOs/Cos/Pramukhs of Panchayat Samitis/ Ward Commissioners of ULBs and CSOs shall participate. Chairman of District Board and Mayor of ULB shall be special invitee)</td>
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<tr>
<td><strong>SDOs</strong></td>
<td>Review of Resilient Village and City Programmes/DDMP/VDMP (All BDOs/COs/Mukhiyas of GPs and CSOs shall participate)</td>
<td>Group A &amp; B dist.: Bi-Monthly Group C dist.: Quarterly</td>
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<tr>
<td><strong>BDOs</strong></td>
<td>Review of Resilient Village Programmes VDMP (All COs/Mukhiyas of GPs and CSOs shall participate and 20 Sutriya Officer will lead the review)</td>
<td>Group A &amp; B dist.: Bi-Monthly Group C dist.: Quarterly</td>
</tr>
<tr>
<td><strong>GP / ULB</strong></td>
<td>GPs may be invited in review meetings at SDO level</td>
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<tr>
<td><strong>CSOs</strong></td>
<td>Participation of CSOs in all the above mentioned monitoring and evaluation activities.</td>
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<tr>
<td><strong>Experts / Agencies</strong></td>
<td>Participation in the periodic review and evaluations of this DRR Roadmap</td>
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Thank you