My Key Learning and Some Instances of Application of Knowledge Gained as a VR

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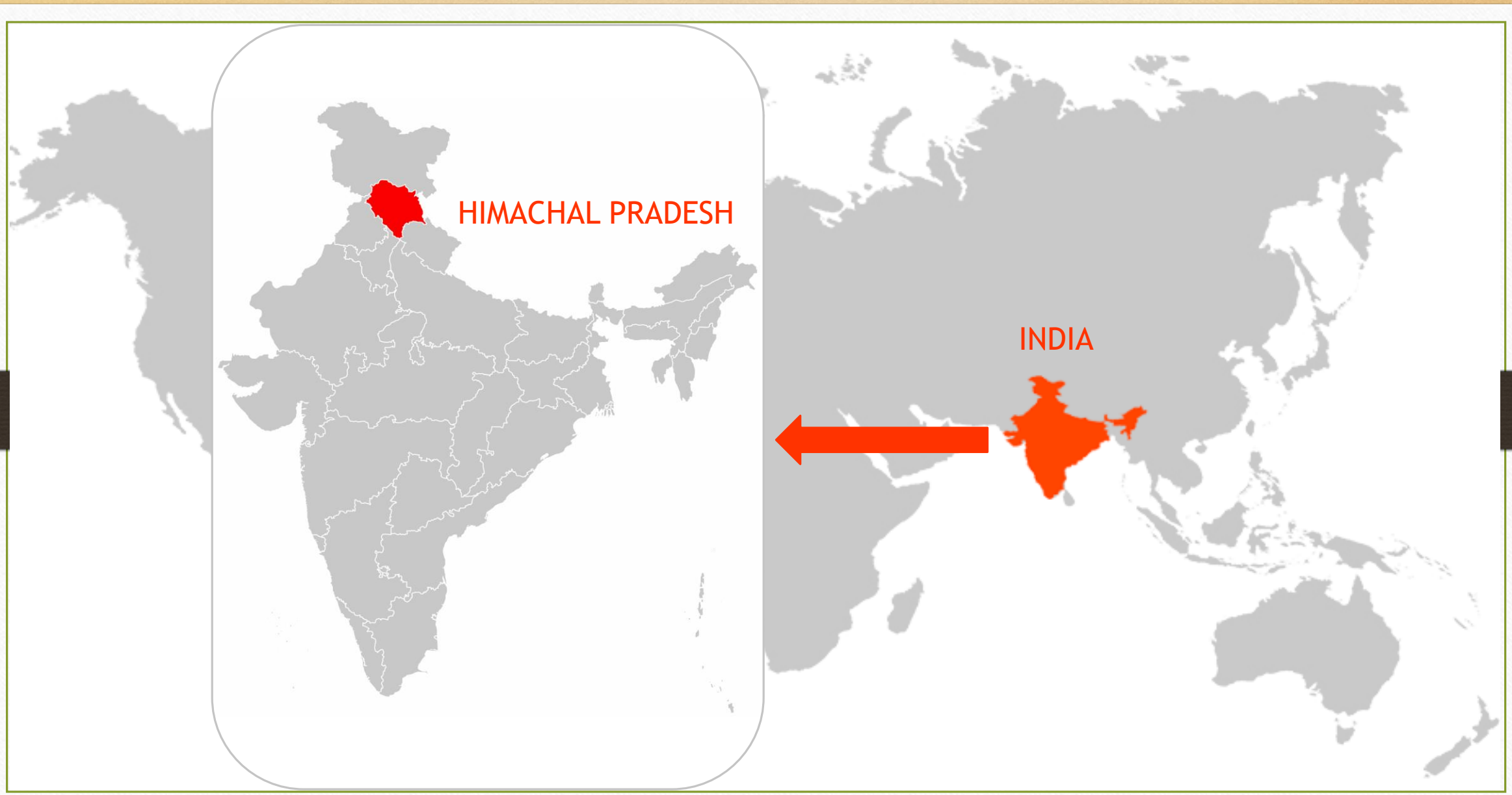
Visiting Researcher 2012

Location of Himachal Pradesh



My work in DRR before joining the VR Program

- Implemented Govt. of India – UNDP DRR Program in the State of HP (2010-12) as State Project Officer
- Brought DRR on the table of discussion in the State of HP
- For the first time State and District Level Disaster Management Plans were made
- Drafted the State Policy on DM
- Revised State Relief Manual as DM and Relief Manual
- Co-drafted TNA document of the State and Started training program on DM in various Sectors
- A lot of IEC material was developed for the first time in the State
- A lot of studies on various aspects of DRR/DM were initiated
- Website of State DM Authority was developed and launched
- Got approved Model Building Bye-laws for safe construction practices in the State for adoption by the Local Urban Development Authorities

My Research Plan as VR

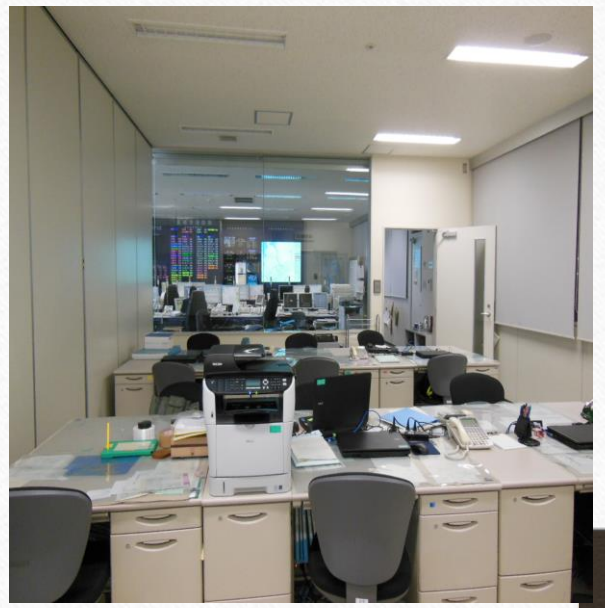
- Analyse current Status of Emergency Response System (ERS) in India
- Suggest Model ERS based on International Best Practices
- Study single unique emergency numbers systems of Japan and other countries
- Study the Japanese Emergency response system
- Study Japanese Emergency Operation Centres (EOCs)
- Study Japanese system of DM and countermeasures

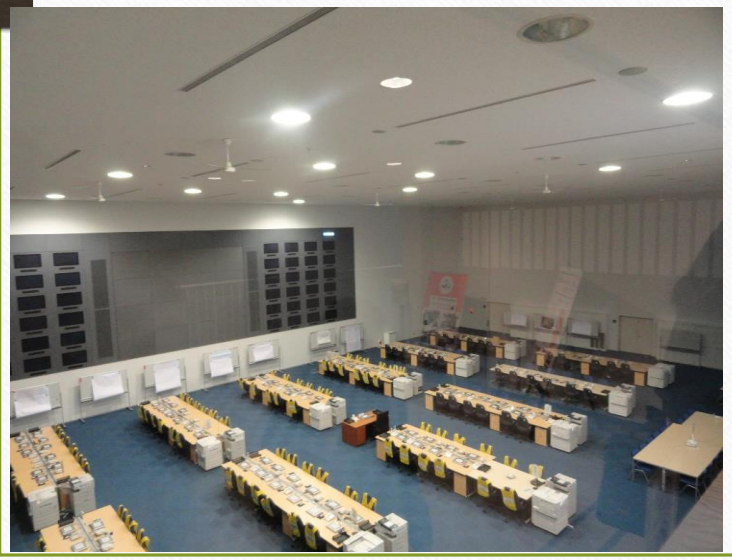
Memory Walk - Remembering the 1995 Kobe EQ

Kaeru Carvan - Building Skills for Disasters

GIS Classes, Building Safe & Kindergarten School Drills

Emergency Operation Centers - Hyogo, Tokyo and Nagasaki





Shio Yo Elementary School and community drill

Visit to Arahama area - Schools are the best constructed & safest places

Key Learnings (1/2)

- A ”Culture of Safety” – Japanese way of life
- Schools are the safest places – best constructed, designated relief centers, a center of DRR activities
- Fire Department, the key first responder – Fire, Rescue, Ambulance
- State-of-the-Art Emergency operations centers
- Disasters throw unexpected challenges– 2011 GEJE, 2011 Haiti EQ, etc.
- Keeping the memories alive– museum, preservation of sites, documentation, memory walks, celebration of events, etc.

Key Learnings (2/2)

- Safe construction practices & resilient infrastructure
- Learning from disasters – reconstruction of Kobe, building defense system against Tsunami in Sendai area
- Japan has one of the best early warning dissemination system
- Single Emergency No. system coupled with CLI and CAD need of emergency management system
- Early warning system

Some Instances of Application of Knowledge Gained as a VR

2013 Rescue Operations in Kinnaur District

School Safety Project

- Bringing a culture of safety through Schools
- Being steered through the SCERT & DIETs (Education Department)
- Customized Training Module: Classroom instruction, hands on practice sessions on life-saving skills and conduct of mock drills
- Target – Educational Leaders, School Heads, Teachers, Engineers
- Expected outcomes: Preparation of School DMPs, conduct of mock drills in schools, fixing of falling hazards, awareness about Do's and Dont's and safe schools & safe societies.

Developing Upgraded models of school structure in rural areas through existing innovative developed concepts

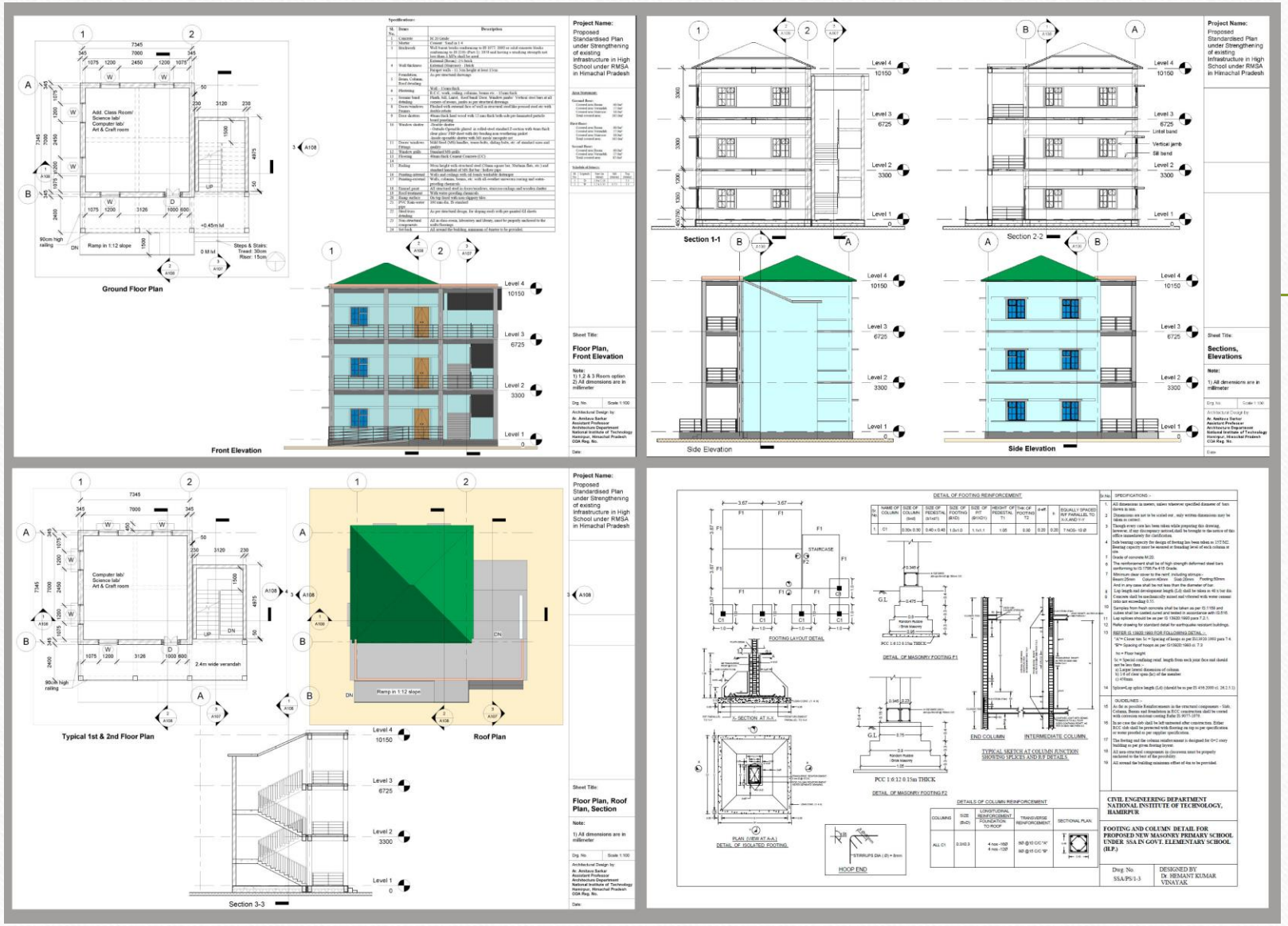
NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P.)

शिक्षा का अधिकार
सर्व शिक्षा अभियान
सब पढ़ें सब बढ़ें

SSA
RMSA

पढ़े चलो, बढ़े चलो
RASHTRIYA MADHYAMIK SHIKSHA ABHIYAN

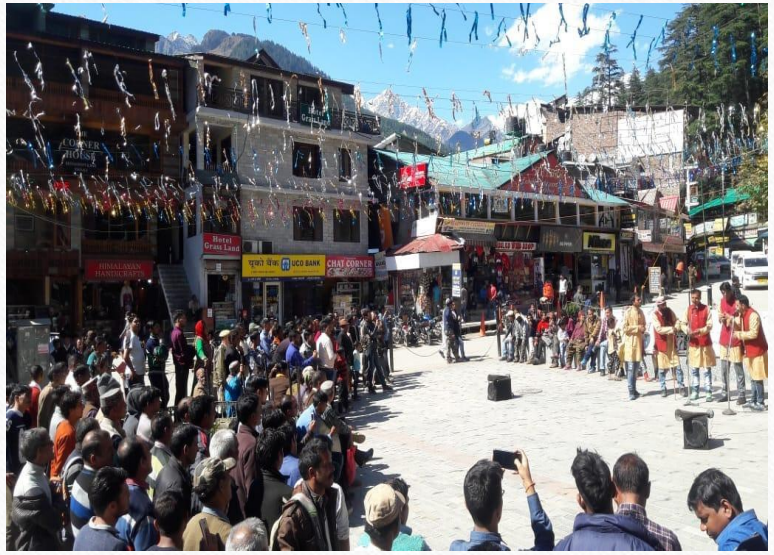
Other key interventions



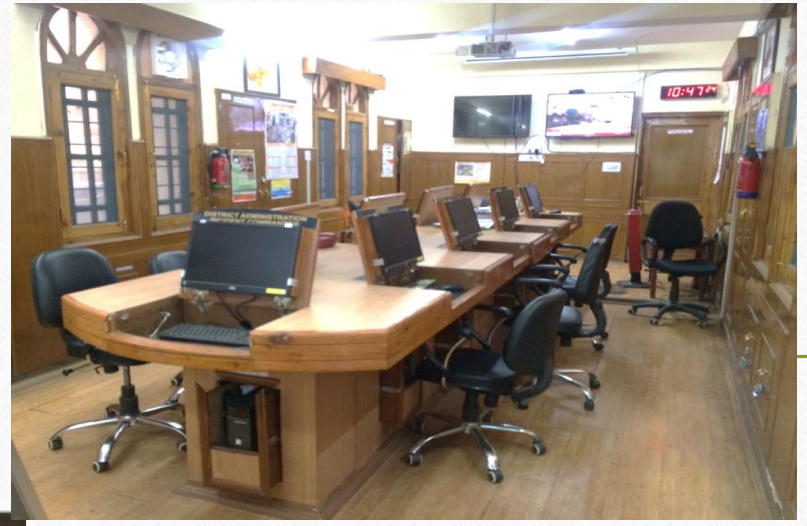
Standardised Plan

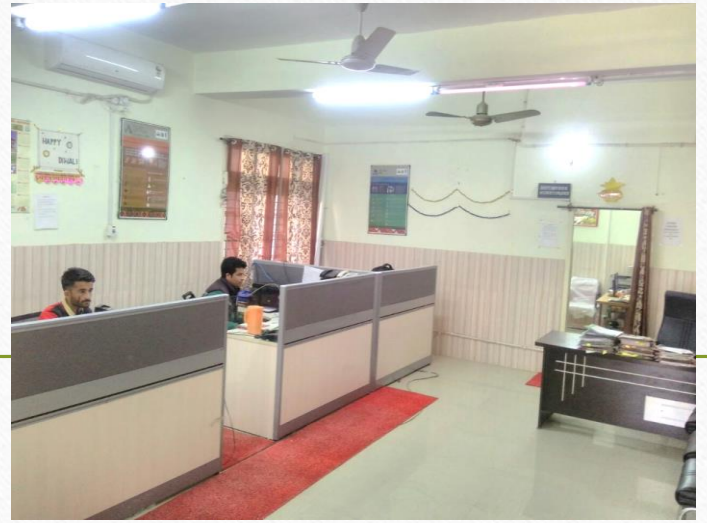
Strengthening of existing Infrastructure in High School under RMSA in Himachal Pradesh

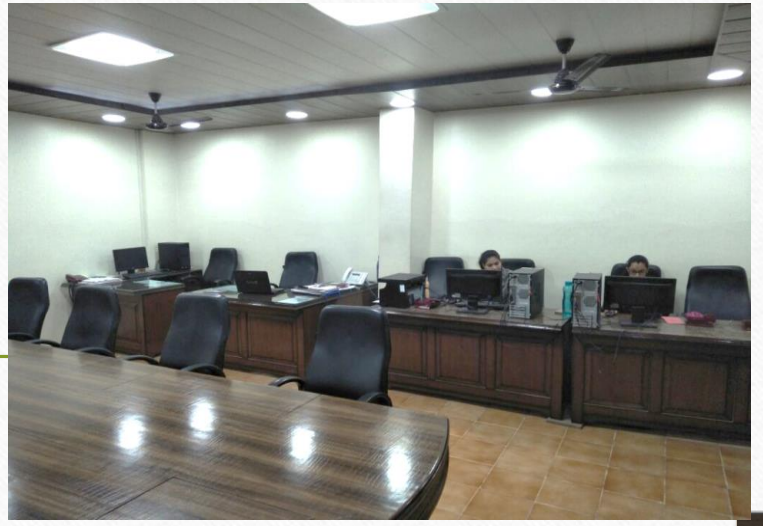
Preparing the Schools for Disaster

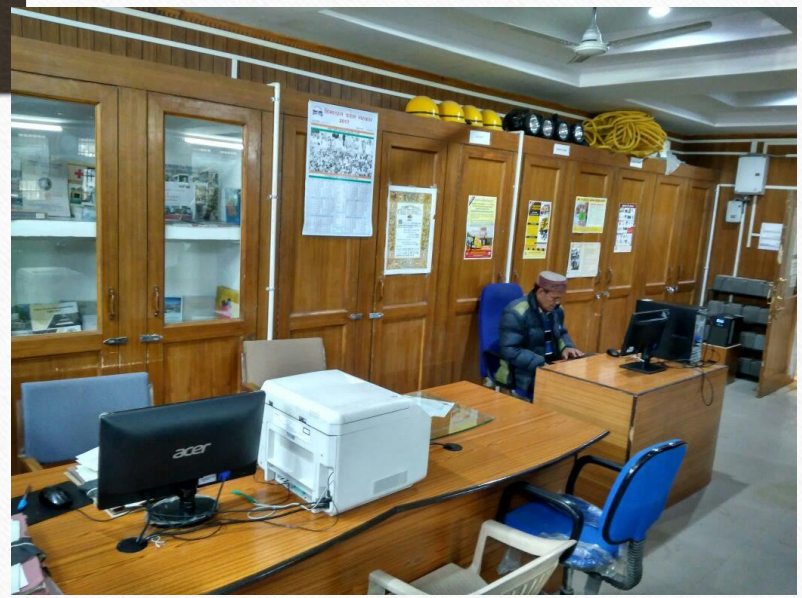


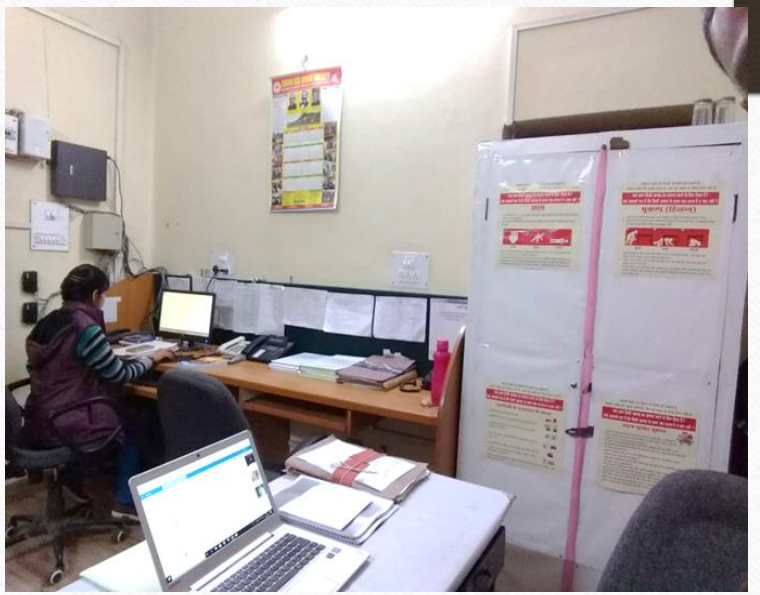
EOC Network in the State



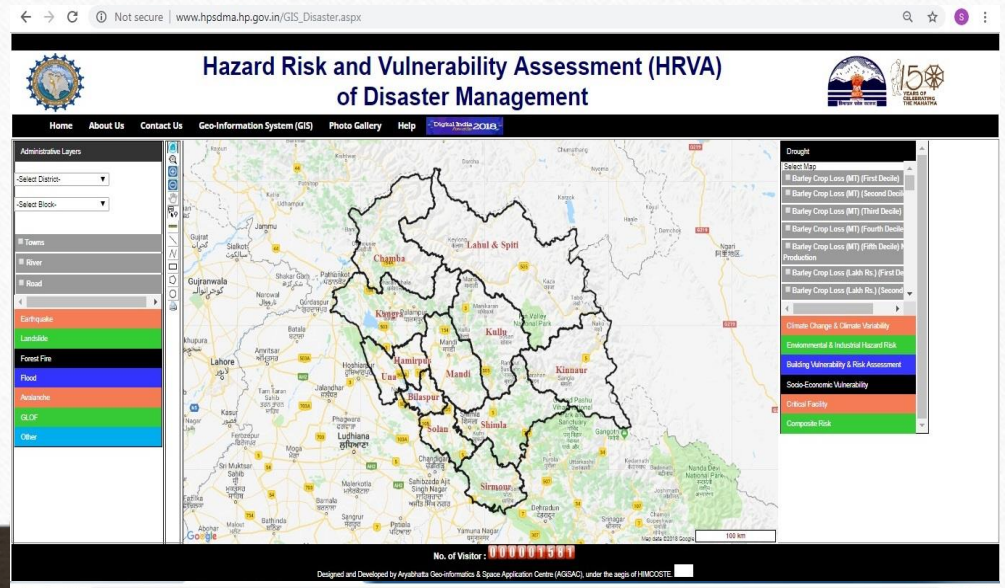


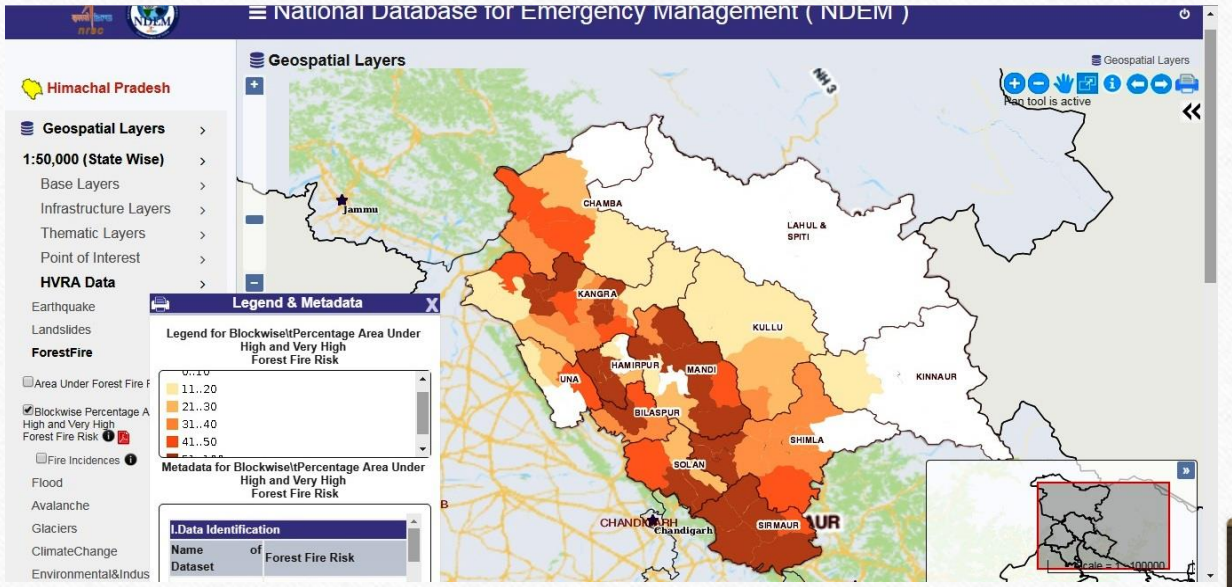


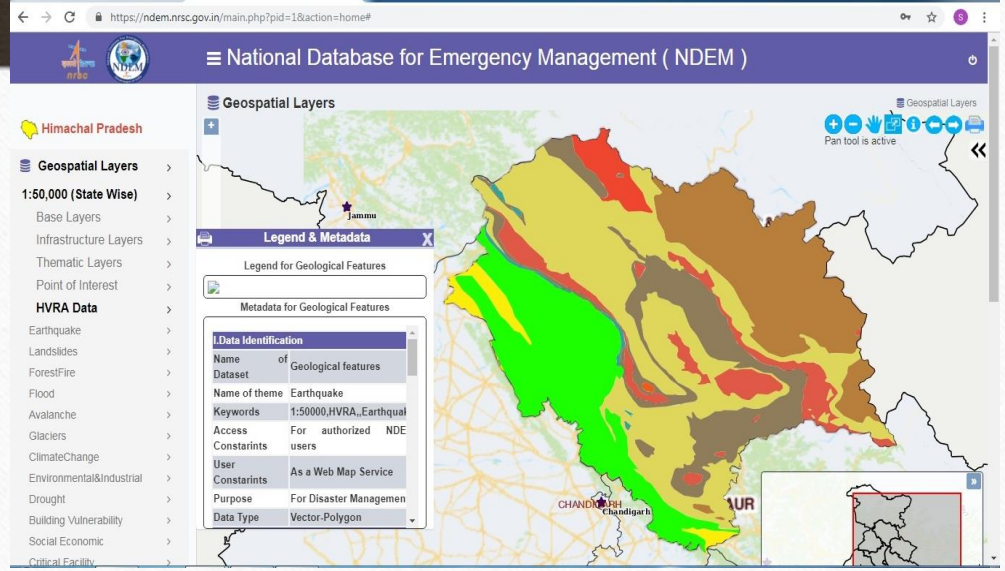


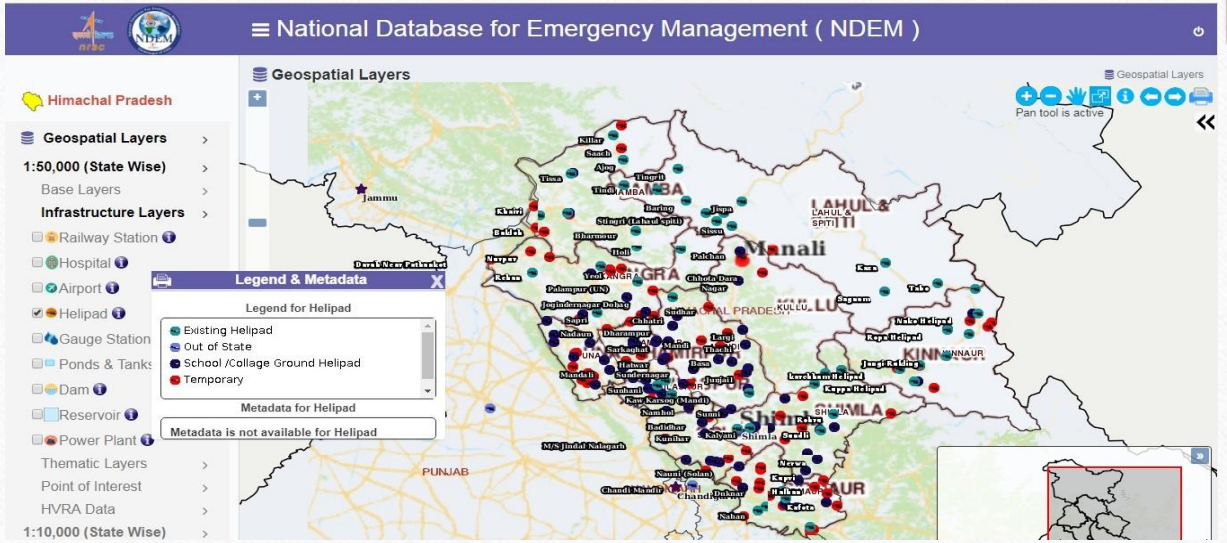


NDEM Portal: 167 different Geospatial layers of GIS added









HPSDMA Website

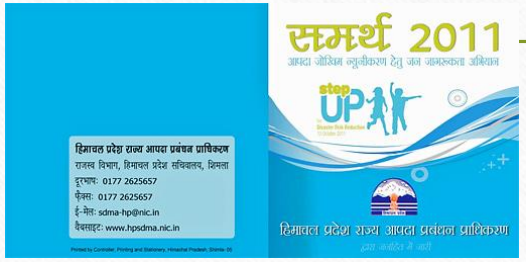
Built from scratch in 2011, today a user-friendly content-rich website

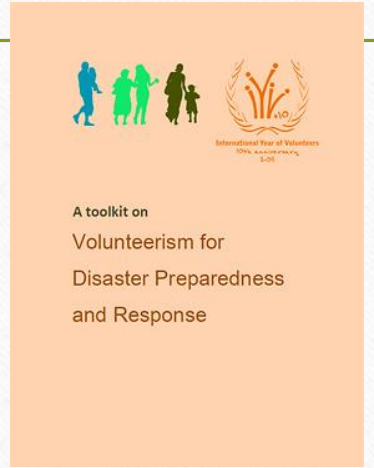
HPSDMA Website launched by hon'ble CM in 2011

HPSDMA Website

I.E.C. materials developed

Focusing on different hazards. Bilingual and User-friendly.





*Sajag Himachal: HPSDMA on Social Media

Social Networks of HPSDMA for public information and discussion

*‘Sajag Himachal’ is now ‘HPSDMA’
on all social networks

Samarth

Statewide mass awareness campaign on Disaster Risk Reduction

A popular initiative by the HPSDMA to celebrate the IDDR with a massive campaign marked by a range of events and activities organized at different levels.

Exhibition of Response Equipment

A successful initiative which has become a standard practice today

Fire Bikes exhibited in Samarth 2011

State procured the Fire Bikes in 2012

Involving children and youth

School-centric events to draw young people's attention to DRR

Skits Thematic Skits and Competitions

Quiz on Disasters

Engaging citizens in Hands-on Activities

Samarth 2018 was unique in terms of several hands-on activities

Engaging citizens in Hands-on Activities

Samarth 2018 was unique in terms of several hands-on activities

A journey started in 2011, still going on

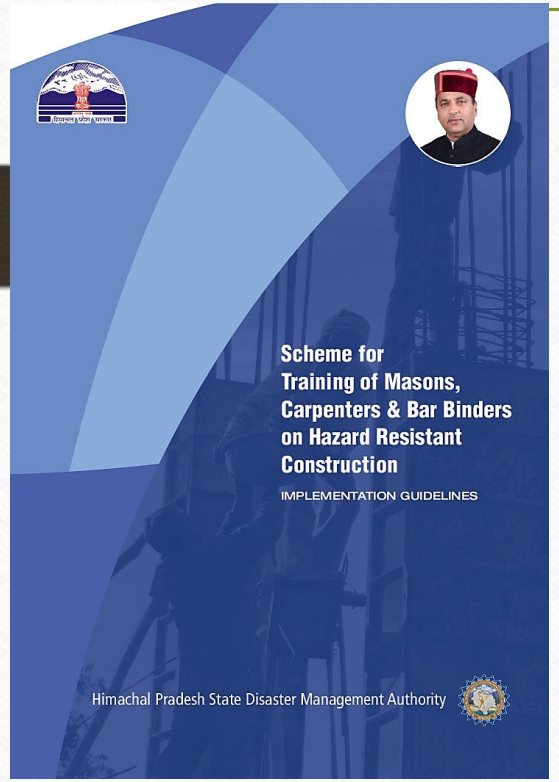
Here's an account of how we celebrated 'Samarth 2018'

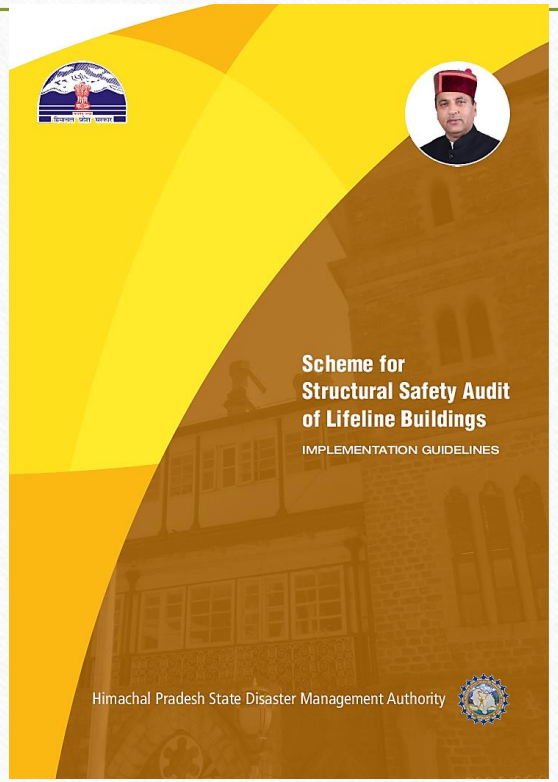
Four Schemes were launched by hon'ble CM

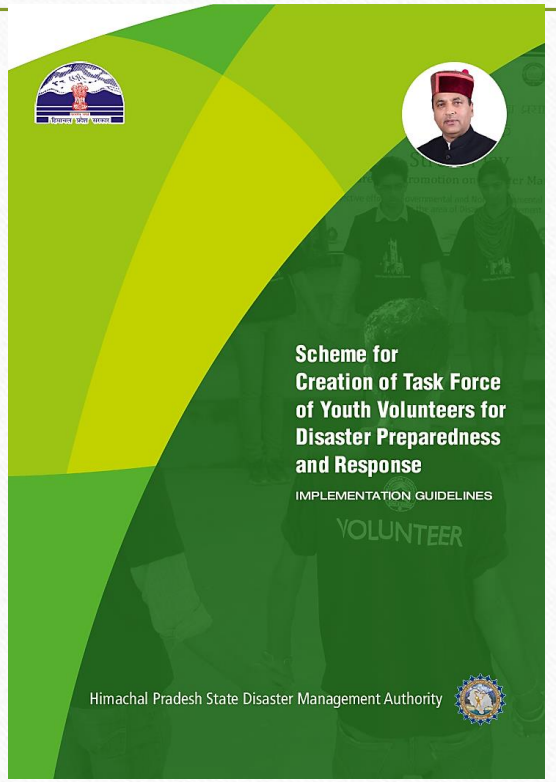
Hon'ble CM flagging-off the Citizens' March

Determined steps for disaster resilience

Four schemes launched for effective Disaster Risk Management



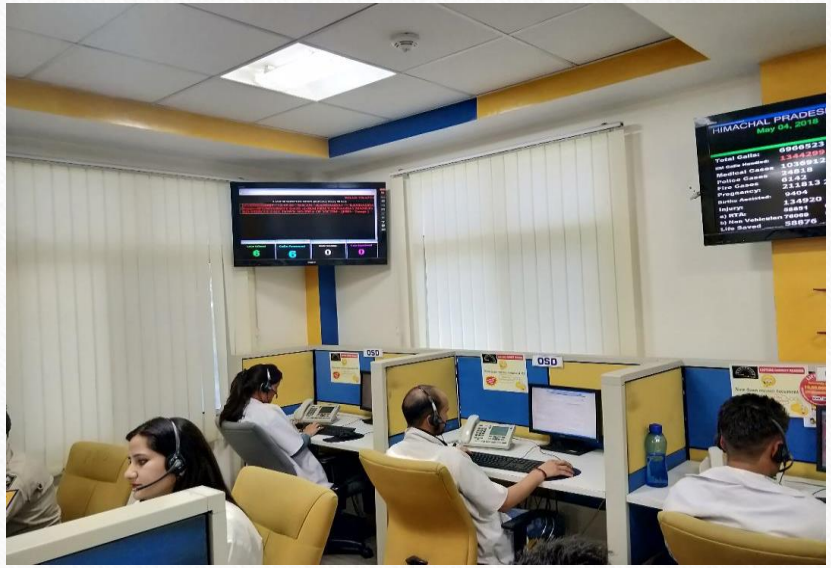


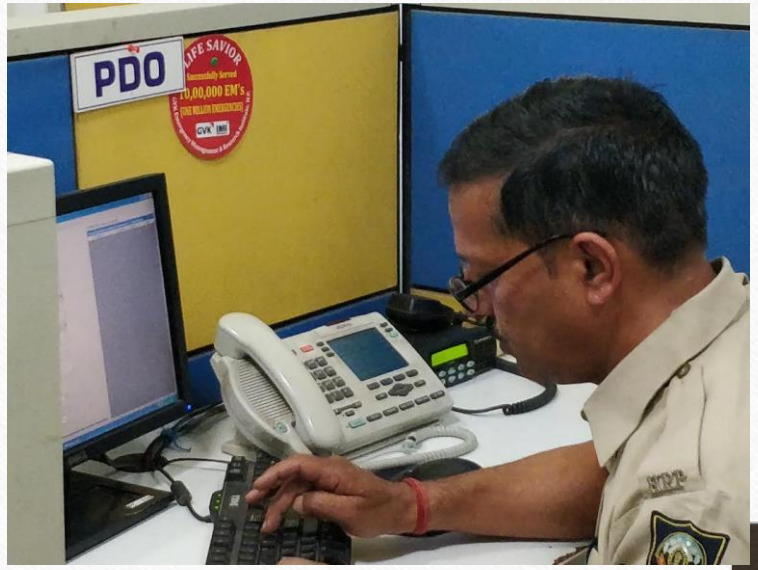


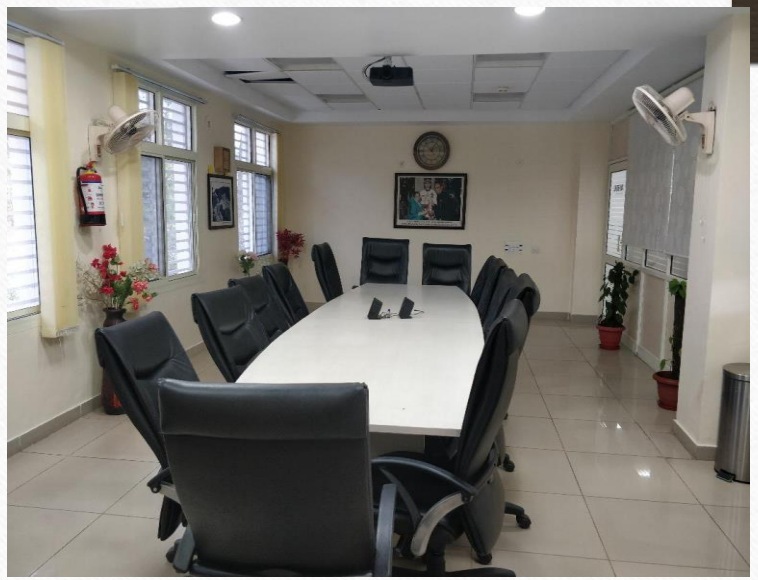
Celebration of IDDR 2018

State wide Mock Drill on Earthquake, February 2018

State of the Art 108 Emergency Services Control Room







Beginning of 112 Single Emergency No. in HP

Techno-legal documents developed

Institutionalizing the Disaster Risk Management in the State

- State Disaster Management Policy
- State Disaster Management Plan
- Emergency Operations Center (EOC) Manual
- Emergency Support Functions (ESFs) Plan
- Standard Operating Procedures for Responding to Disasters
- Guidelines for Conducting Earthquake & Fire Drills in Educational Institutions

Other key interventions

Efforts towards risk-informed decision support and capacity building

- Initiated the Hazard, Vulnerability & Risk Analysis for HP
- Knowledge, Awareness & Practices (KAP) Study
- Training Needs Assessment (TNA) of Stakeholders
- Constitution of the HP Inter Agency Group (HPIAG)
- First website of the HPSDMA developed
- Social Networks named ‘Sajag Himachal’ on all platforms

Summing Up

- Working towards developing a culture of safety – School Safety, Samarth, IDDR, Mock Drills, etc.
- School Safety Project
- Conduct of HRVA and use of HRVA layer at NDEM
- Samarth – a program of mass awareness on the eve of IDDR
- Strengthening EOC network in the State

Summing Up

- Use of Social Media – Facebook, Twitter, Google Plus
- Pilot testing of CAP with NDMA
- Statewide conduct of mock drills
- Launch of new schemes – Hospital Safety, Training of Masons, etc. in Safe Construction Practices, Securing Life-line Buildings, Creating a Cadre of Volunteers for DRR

Thanks !