

Training Programme on Post Disaster Needs Assessment

Venue: NIDM Southern Campus, APhRDI, Bapatla Andhra Pradesh

Report

NIDM conducted the programme on Post Disaster Needs Assessment (PDNA) at its Southern Campus on May 1-3, 2019 at its campus housed at APhRDI Bapatla Andhra Pradesh. About 81 participants (List attached) from various line departments such as Revenue, Agriculture, PWD, PHED, Horticulture, Local Government and Education and states of Andhra Pradesh, Meghalaya, Kerala, Odisha and Karnataka attended the programme.

Programme Objectives

The programme has been designed with the objective to sensitize officials about the new PDNA tools and the engage them in the process of computing.

Programme details

At the outset, Dr. ISN Raju, Sr. Project Manager CSD, APhRDI welcomed the participants and gave a brief about the Institute and also its association with NIDM. Then Shri Shekher Chaturvedi, Asstt. Prof. NIDM welcomed the dignitaries and participants. He then briefed the participants about the contents to be covered during the programme. He said that NIDM, jointly with Asian Disaster Preparedness Centre, Bangkok, has developed customized scientific PDNA tools for the assessment of the impact of disasters under the World Bank assisted National Cyclone Risk Mitigation Project. He also explained the objectives of the programme. Shri Ram Murthy, Project (DM), APhRDI in his address explained the hazards prevalent in Andhra Pradesh and shared his experiences of encountering disasters during his tenure as Engineer-in-Chief for Government of Andhra Pradesh. Then Prof. Santosh Kumar, NIDM, thanked APhRDI for providing support to NIDM Southern Campus not only in its establishment but also in conduct of programmes. He then explained that the PDNA tool developed by NIDM would help in identifying needs for long-term disaster recovery. He said that in order to get the comments and valuable inputs of Central Ministries, State Governments and UT administration, the PDNA tool, after the completion of the study, was circulated to them. He said that the existing mechanism for assessment of damage and needs, prevailing in the country is of adhoc nature and at times is not accepted by donor agencies. The new mechanism is a value addition on the existing mechanism in case of emergencies. He also explained the objective of the tool developed by NIDM.

The objective of the PDNA tools is to establish a standardized mechanism based on scientific approach for conducting post disaster needs assessment for recovery and reconstruction. The newly developed tools are based on the existing damage assessment system in India and an internationally-accepted methodology which has been used worldwide and adopted by the United Nations Development Group (UNDG), the European Union (EU) and the World Bank (WB) which signed a joint declaration in 2008 on Post-Crisis Assessments and Recovery Planning.

The first session was dedicated to exposing the participants to concepts and institutional mechanism of disaster in India. Then Prof. Santosh Kumar explained the participants about the basis of developing the tool and its methodology.

The tools (Handbook, Manual and SoP) were developed on the basis of an analysis of existing System in India with recommendations derived from best international practices. The current version is completely customized to Indian conditions, which will enable the comprehensive and scientific assessment of recovery and reconstruction needs on the basis of a thorough analysis of disaster effects and impacts. The tool incorporates the physical, socio-economic and environmental aspects and helps in achieving a prompt and all-inclusive recovery as well as disaster-resilient reconstruction that involves reduction of disaster risk.

This methodology should not be seen as a replacement or substitute for the existing approach which States use for the development of the Relief Memorandum. It should be noted that the methodology treats with a separate and additional area of disaster management which is recovery and reconstruction following a disaster while building resilience to future events.

This analysis, conducted in light of current international practices, reveals that the existing system in India may be described as relief-centered. While the existing system is efficient in defining the amounts of relief assistance to be provided to affected population in accordance to previously defined criteria and enables the prompt disbursing of assistance to disaster-affected people. It does not enable the comprehensive and systematic estimation of overall disaster impact, the scientific estimation of recovery and reconstruction needs and the estimation of financial requirements for such purpose. The data collected for such response assessments is insufficient to enable a full and scientific analysis of the consequences of the disaster on living conditions, quality of life and on the socio-economic development of those who are affected. As a result, recovery is left almost exclusively to the initiative and the capacity of each affected person and takes an unnecessarily long time, thus frustrating people's aspirations and delaying their return to normal levels of wellbeing.

In addition, the amounts of response assistance are clearly insufficient for affected families to enable them to rebuild their destroyed assets; in the absence of other sources of capital for reconstruction, people resort to rebuild their homes and other assets applying lower standards of quality and using inadequate construction materials and disaster risk, rather than being reduced, is increased after disasters.

During the programme, participants were also guided through how the estimation/ assessment is done in various sectors such as Power, Agriculture, etc. through exercises.



Group Photo

List of participants

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सत्यमेव जयते

**NATIONAL INSTITUTE OF
DISASTER MANAGEMENT**
(MINISTRY OF HOME AFFAIRS, GOVERNMENT OF INDIA)

nidm

Towards a disaster free India.....

Post Disaster Needs Assessment (PDNA) Tools for India

1- What is Post-Disaster Needs Assessment (PDNA)?

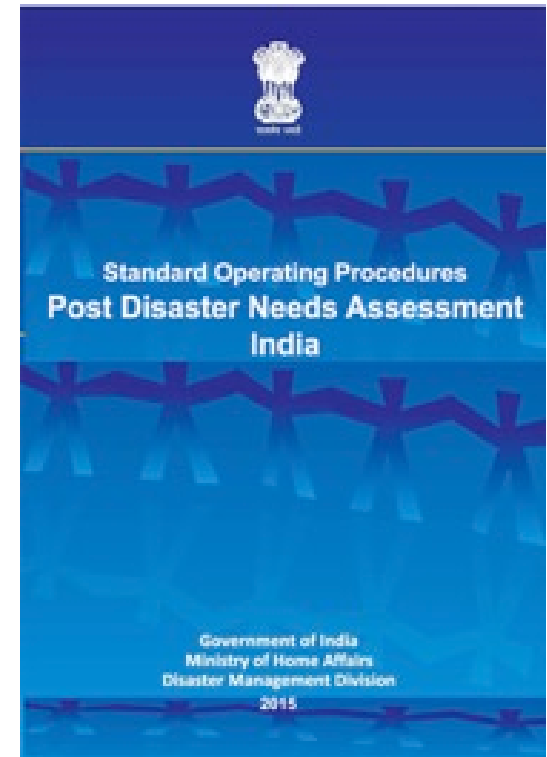
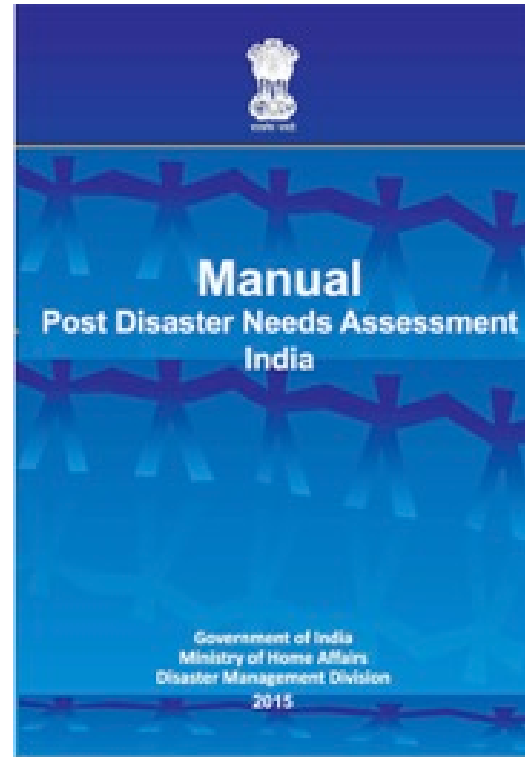
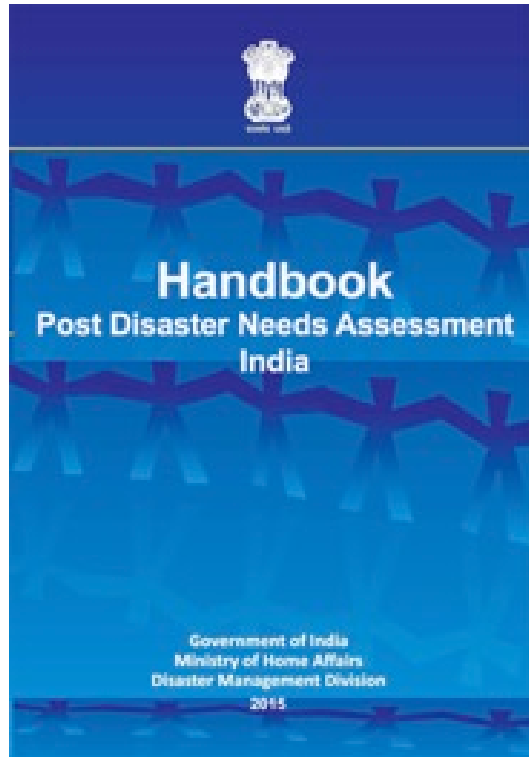
- PDNA is intended to ***define the needs to ensure a prompt and efficient recovery of pre-disaster conditions and a reconstruction with disaster-resilient features***; it is not to be confused with the estimation of relief requirements as currently practiced in India.
- The PDNA enables the estimation of post-disaster needs, ***on the basis of the quantitative assessment of disaster effects and impacts in all affected sectors*** of social and economic activity, as well as at different levels of analysis
- A PDNA is ***a unified, scientific and comprehensive analysis*** of disaster effects and impacts for the estimation of recovery and reconstruction needs
- PDNA is a tool to determine development investment in the different sectors against its exposure of Risks

2- Why We Conduct Post-Disaster Needs Assessment?

- ❑ To **quantify the financial needs** for economic recovery and reconstruction
- ❑ To **define government priorities for intervention** in different geographical areas, sectors and population groups based on estimated gaps in production, growth and development
- ❑ To **create capacity of government to design post-disaster programs** and/or to define international cooperation needs
- ❑ To provide **basis for monitoring progress** in implementing recovery and reconstruction programs
- ❑ To provide **guidance for ex ante disaster risk reduction schemes**

9- What is Newly Developed PDNA India Tool ?

Pre-Approved Versions



10- Value Addition of PDNA India Tool

Key Features

- **At part with International Methodology, PDNA India tools is comprehensive and objective approach, which will enable the estimation of total value of destroyed assets and of decline in the production of goods and services in the entire society, economy and the environment**
- **To achieve sustainable recovery and disaster-resilient reconstruction, ensuring that the correct amounts of required resources are assigned**

10- Value Addition of PDNA India Tool

Key Features

- **Based on an evidence-based approach that utilizes the existing system of national accounts of India**
- **Endeavors to estimate the value of destroyed assets and of production decline caused by the disaster, in both public and private sector domains**
- **Estimate the impact of the disaster at macro-economic level (i.e. on GDP, BoP, and Fiscal position) at national and State levels, as well as at personal or household level (in terms of income decline and cost of living increases)**

10- Value Addition of PDNA India Tool

Key Features

- **Estimate the financial requirements to achieve recovery of production and household wellbeing, and the cost of disaster-resilient reconstruction**
- **It only requires utilization of normally-available statistical baseline information and field collection of additional primary information on damage and production decline**

10- Value Addition of PDNA India Tool

Key Features

- **The methodology enables identification of the affected population and categorizes them according to primary, secondarily and tertiary affected groupings, whose post-disaster requirements are different.**
- **Disaster effects and impacts are conducted at the household and at the personal levels, including the differential impact by gender.**

5- Current Practice – Challenges Observed

The current assessment practices do not provide adequate information that:

- (i) may be used by the higher authorities to adopt adequate public policies for recovery and reconstruction, and that
- (ii) as a result the affected population faces longer periods of suffering to achieve recovery.

5- Current Practice – Challenges Observed

- (i) not all affected population is included to receive assistance;
- (ii) not all sectors of economic and social activity are included in the analysis and some sectors are only partially included;
- (iii) the assessment concentrates on relief assistance and only very partially covers recovery assistance and little or no reconstruction of destroyed assets using risk-reduction features; and
- (iv) more often, only the government sector damages are assessed.

The amount of assistance to be provided have remained at fixed levels for a number of years, with only minor and partial adjustments for inflation.

thank you