



## METHODOLOGY

---

The methodology of the study includes structured questionnaire along with secondary data collection sources and focused discussion with specific target groups.

**Primary Source:** Different Schedules will be used for collecting data from community, government functionaries involved in disaster management and the policemen. While direct interview approach with schedule will be preferred for community and junior level police and other officers; focused approach will be adopted for obtaining information from senior level officers involved in formulation, execution and evaluation levels including SP, DIG and IG of police.

**Secondary Sources:** National Police Commission report, a disaster management instruction Reform Commission report 2008, Model Police act prepared by BPR&D, National Disaster Management Act, 2005, State Police acts / manuals, Disaster Management plan/ policies of different state governments, guidelines, SOPs prepared by MHA, NDMA, state governments and police would be studied to understand the disaster management set up in place in the better governed states and also to gather whether the police has been enabled by mandate and provided with adequate manpower and training etc.

### 2.1 SCOPE OF THE STUDY

The study would cover the states of Delhi, Gujarat, Orissa and Assam which are known to have well established structures and practices. It will be based on focussed discussion with the senior officers of the police and disaster management department including functional level people of the state response forces. Study will also include member of disaster management and officials of the disaster management, and NDRF, both at the headquarter level and the executing level.

## 2.2 THE HIGHLIGHT OF THE METHODOLOGY

- The focus of the entire approach is on secondary data, focused discussions, feedback collected from different states mentioned above and literature from country as well as from abroad.
- Primary data collection will have been done. Towards this end, we have prepared a detailed data collection plan. This plan will be executed with precision.
- The team will be given training for the data formats to be used. We will conduct periodic /intermediate validations and consistency / accuracy checks of the field data to ensure that the field data is error free.
- Discussion will be held with all concerned during collection of data to get in depth insight into the system.
- Following tools will be used for data collection:
  - Specially designed Data Capturing Formats/Questionnaire.
  - Use of Templates and Schedules for interview with concerned

Pre testing of questionnaires /schedules will be done in district. Based on the pre-testing, questionnaires /schedules will be modified. A copy of questionnaire/schedule is enclosed as annexure-1.

## 2.3 METHOD OF DATA COLLECTION

Data collection will be done through a detailed data collection template/questionnaire (Annexure-1). The template covers both quantitative/objective and qualitative/subjective aspects of disaster management and role of police, infrastructures, activities, resources, etc. The template allows the data collection team to capture specific numerical data as well as overall impression on quality, activity, etc.

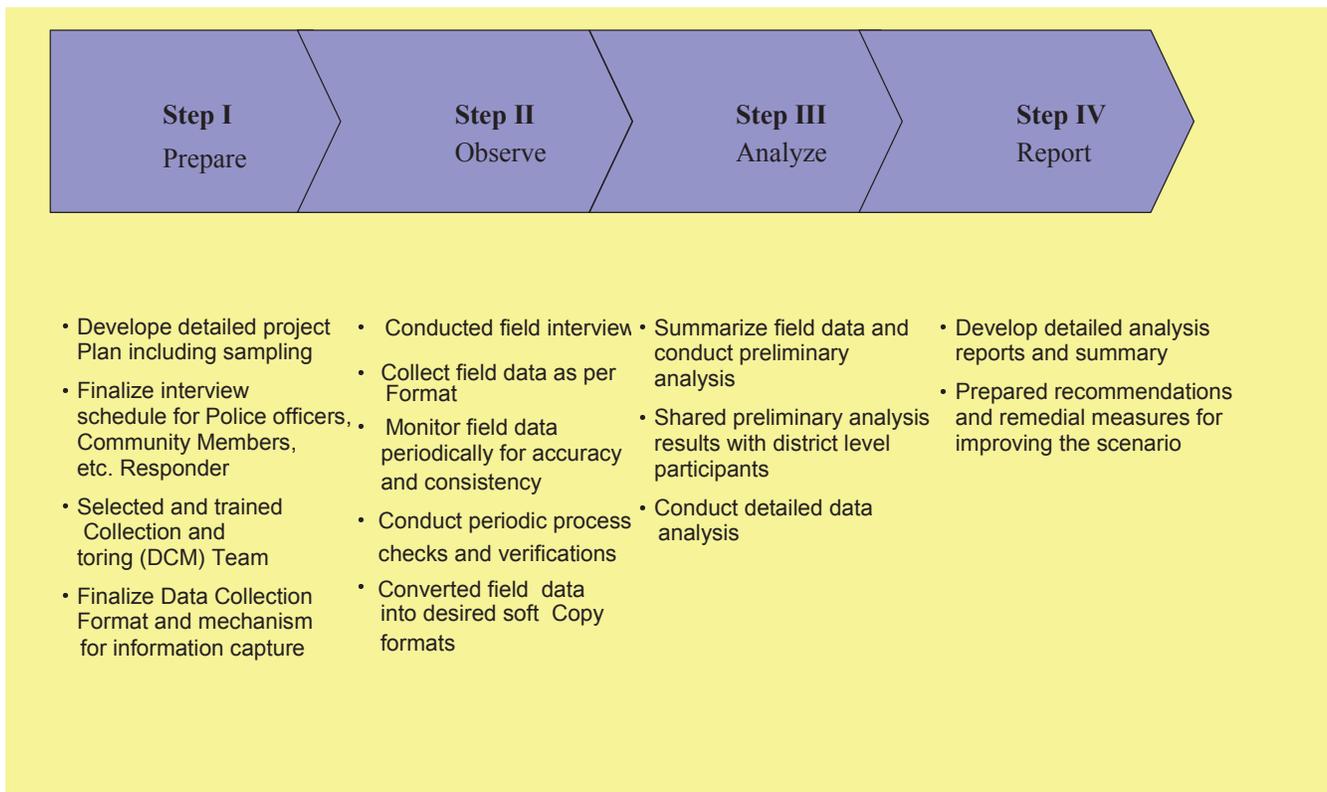
Specific care has been taken in identifying the field investigators and coordinators as per the requirement. Persons, with at least graduate degree and more than 3 years of research experience, will be identified as field investigators and coordinators. They will be given training for data collection and then placed in the field for actual data collection. Beside this, 4 coordinators were identified from Parent department to oversee and monitor the process of data collection. The coordinators will make regular field visits during the process of data collection, check accuracy and solve the problems of field investigators, if any.

On the field, data will be collected in hard-copy templates and then this information will be processed and converted into desired soft-copy format. For data collection,

responders/managers of different villages blocks invited for training in BIPARD on the subjects of research and other would be the target group. Similarly, government functionaries attending various training programme in BIPARD would be interviewed for response. In addition civil, defense, BHS, Police, NSS, NCC, Disaster Management etc stationed in Patna would be four core groups of responders for in-charge. Support of faculty of CDNC would also be taken.

The faculty team periodically validated the data collection accuracy and process to ensure that all the guidelines for data collection are adhered to adequately.

A four-step methodology has been adopted for the study, as shown in Exhibit 1:



**Exhibit 1: The four-step methodology for study**

## Exhibit 2: Data Collection Method and Approach

