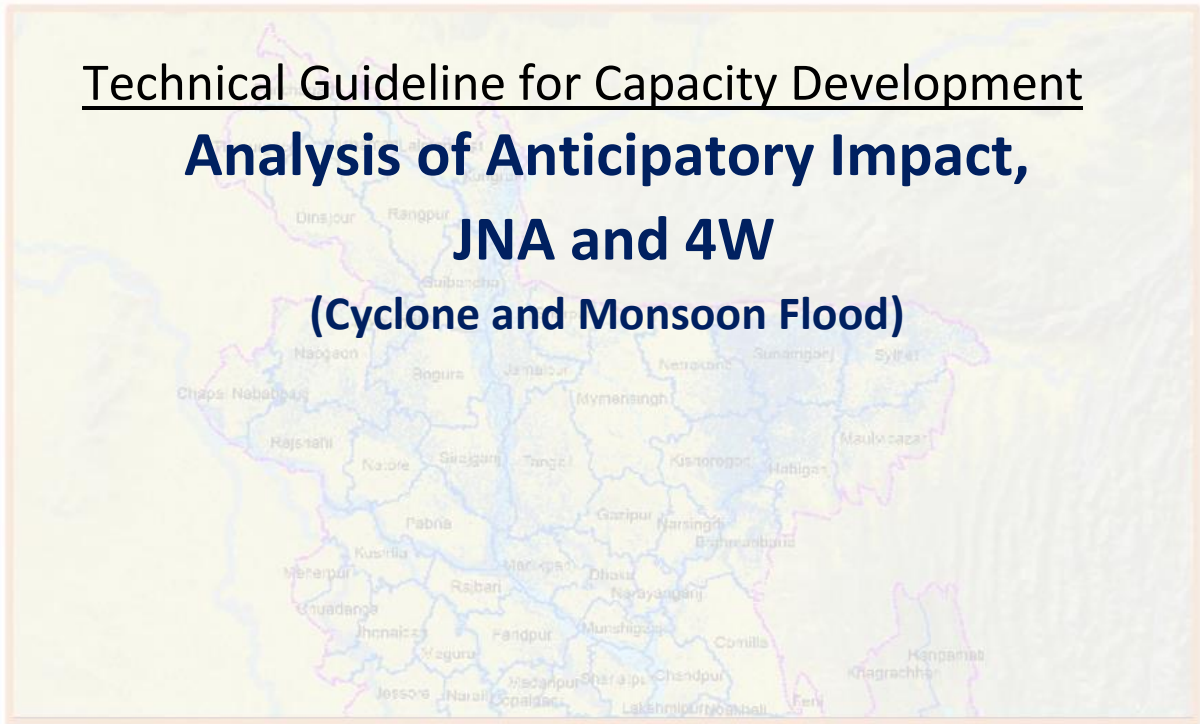
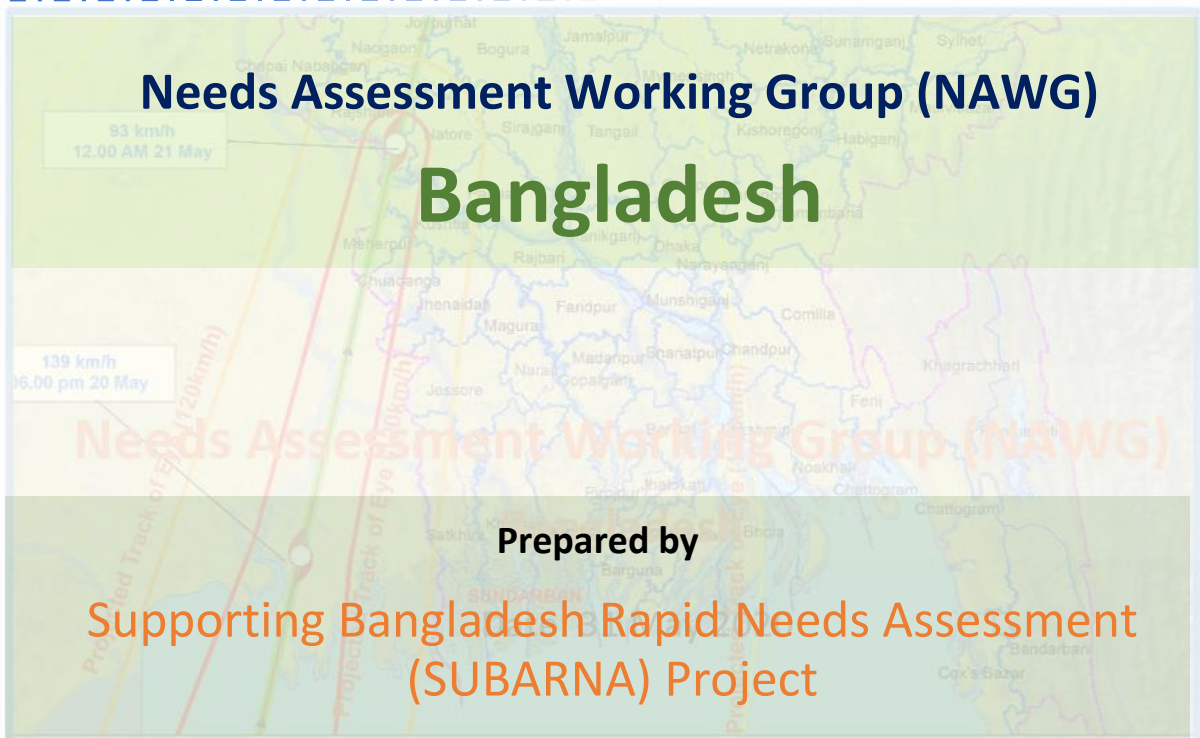


Technical Guideline for Capacity Development
**Analysis of Anticipatory Impact,
JNA and 4W
(Cyclone and Monsoon Flood)**



Needs Assessment Working Group (NAWG)

Bangladesh



Prepared by

**Supporting Bangladesh Rapid Needs Assessment
(SUBARNA) Project**

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1. About the Technical Guideline:

Comprehensive analysis skills required for successful execution of information management and analysis for day to day work of NAWG. NAWG's major services involves Joint Needs Assessment, Anticipatory Impact Analysis, and response monitoring through 4W. This technical guideline will provide the step by step process with visualized diagram and content, which will enable NAWG's analyst to develop relevant analysis capacity and conduct the analysis effectively.

This technical guideline will focus on below aspects for analysis of major services by NAWG-

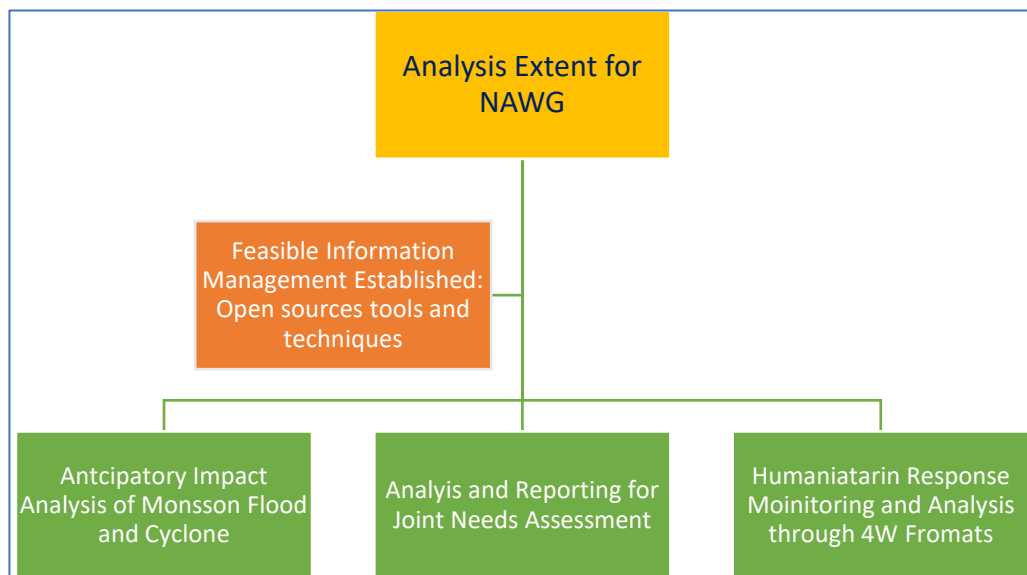


Figure 1: Analysis Extent for technical guideline

2. Major Components of the Technical Guideline:

For effective delivery of these services resounding up to date analysis skills are required. While focusing on appropriate analysis process, it is needed to be taken in consideration that NAWG is operationalize with the collaborative contributions by it's members from all types (i.e. GoB, NGOs, INGOs, UN Agencies) and tend to utilize cost effective methods and tools. By consider the extent of analysis and available open source analysis tool, the major components have planned and practical analysis has been conducted to identify most effective analysis an reporting procedures, shown in below diagram.

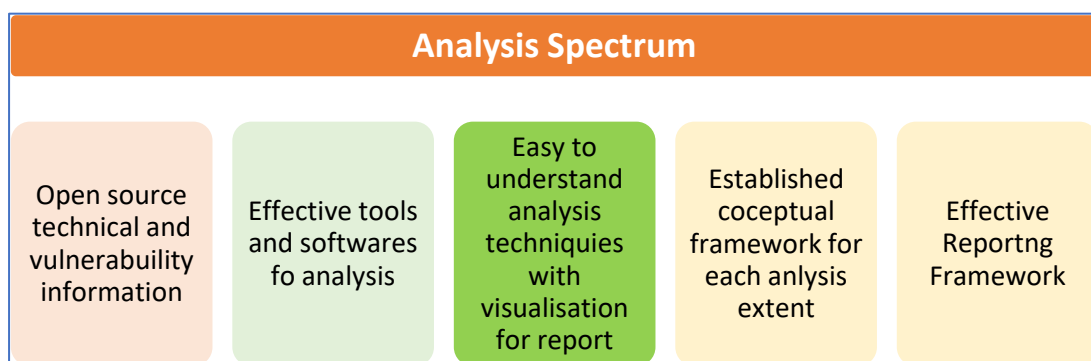


Figure 2: Major aspects of the capacity development

3. Technical Guidelines for Capacity Development and Analysis

The technical guideline process has been developed by following rigorous participatory on hand practice and execution by selected pool of NAWG analyst. Hence the process combined building conceptual framework with relevant theoretical understanding, practical familiarization with required tools and software and finally on hand practice by analyst . The major participatory process visualized in Figure-3.

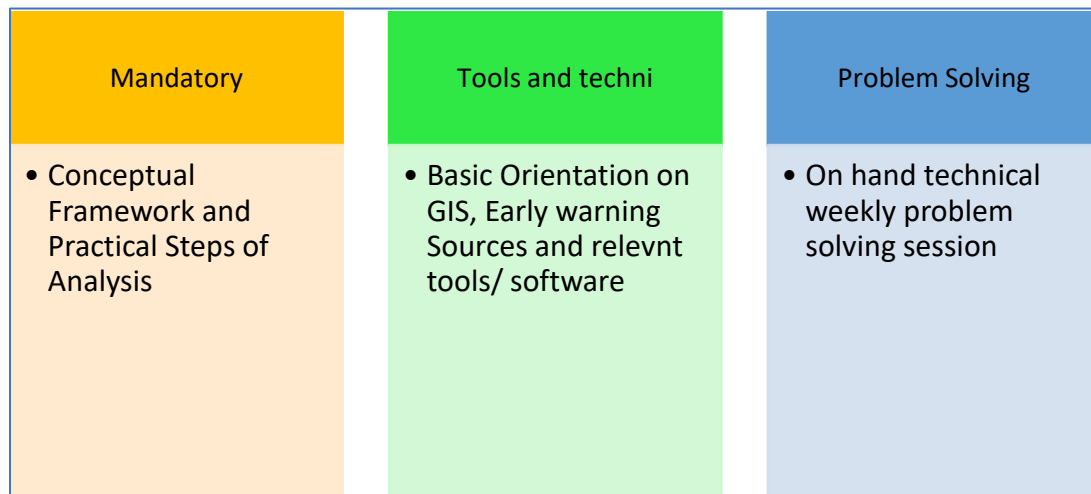


Figure 3: Participatory process for developing technical guideline

Mainly four extents of NAWG has been priorities and technical guideline have been developed with details of requirement, access, and process. Component specific technical guideline for capacity development and analysis are described in subsequent sections.

3.1 Technical Guideline for Anticipatory Impact Analysis of Cyclone

The developed conceptual framework has been followed to develop the technical guideline by conducting on hands practical analysis and their process descriptions. Initially, the information, tools and components have been identified, later the details analysis steps has been presented. Below figure 4, provided for required tools, techniques and information and figure 5 shows the steps of technical guideline for anticipatory impact analysis of cyclone.

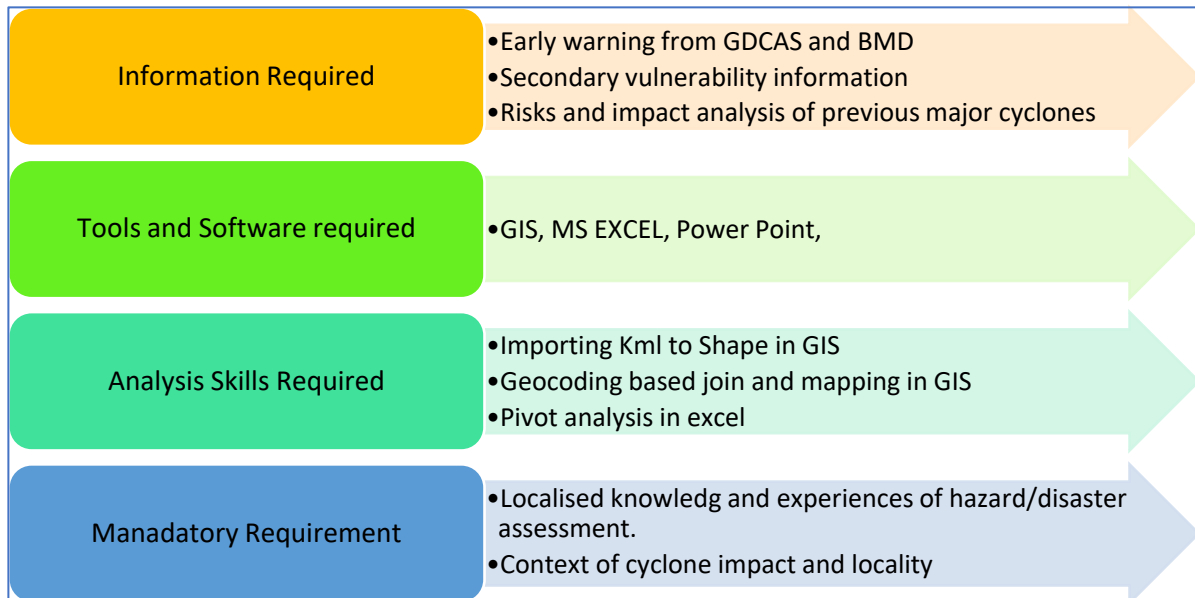


Figure 5: Information, tools and techniques required for anticipatory impact analysis of cyclone

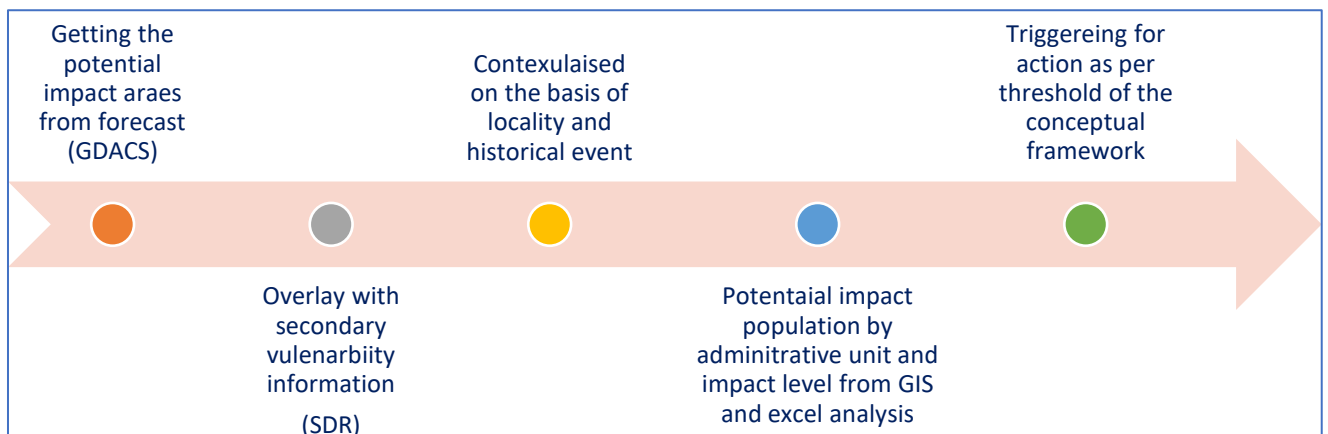


Figure 4: Technical guideline for anticipatory impact analysis of cyclone

This technical guideline has been applied with the available information through a practical step for cyclone, can be accessed from this link-

https://drive.google.com/file/d/12ZOVfRvPC3wi76_GyyYrESn2kjtFaSHZ/view?usp=sharing

3.2 Technical Guideline for Anticipatory Impact Analysis of Monsoon Flood

Likewise, the anticipatory impact analysis of cyclone, the developed conceptual framework has been followed to develop the technical guideline by conducting on hands practical analysis and their process descriptions. The information, tools and components has been identified, later the details analysis steps have been presented. Below figure 5, provided for required tools, techniques and information and figure 6 shows the steps of technical guideline for anticipatory impact analysis for flood.

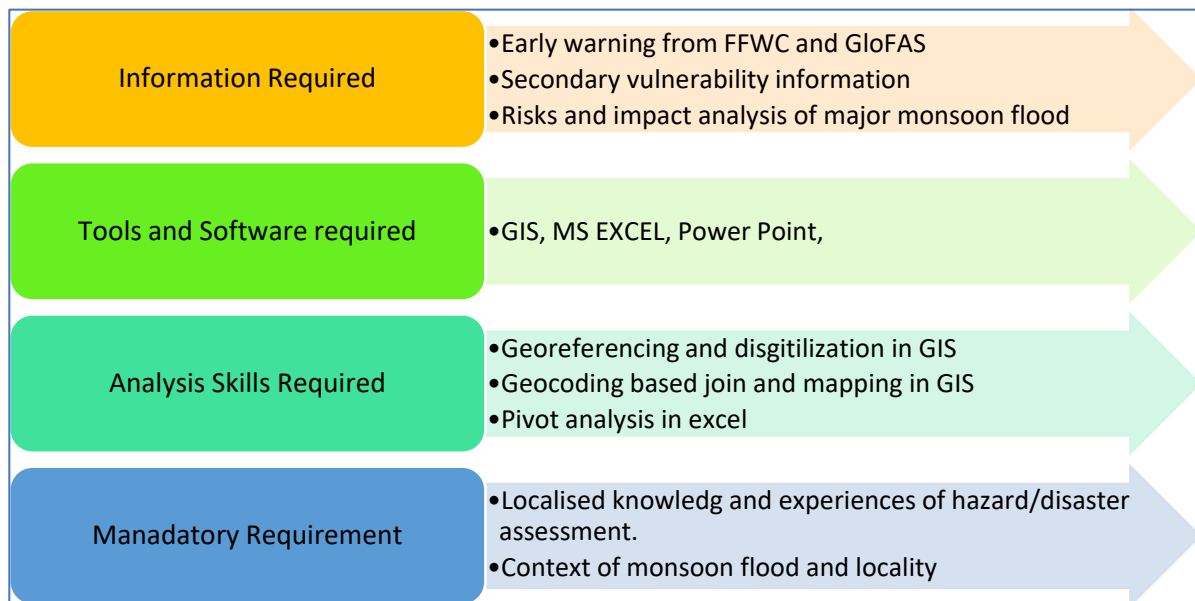


Figure 7: Information, tools and techniques required for anticipatory impact analysis of monsoon flood

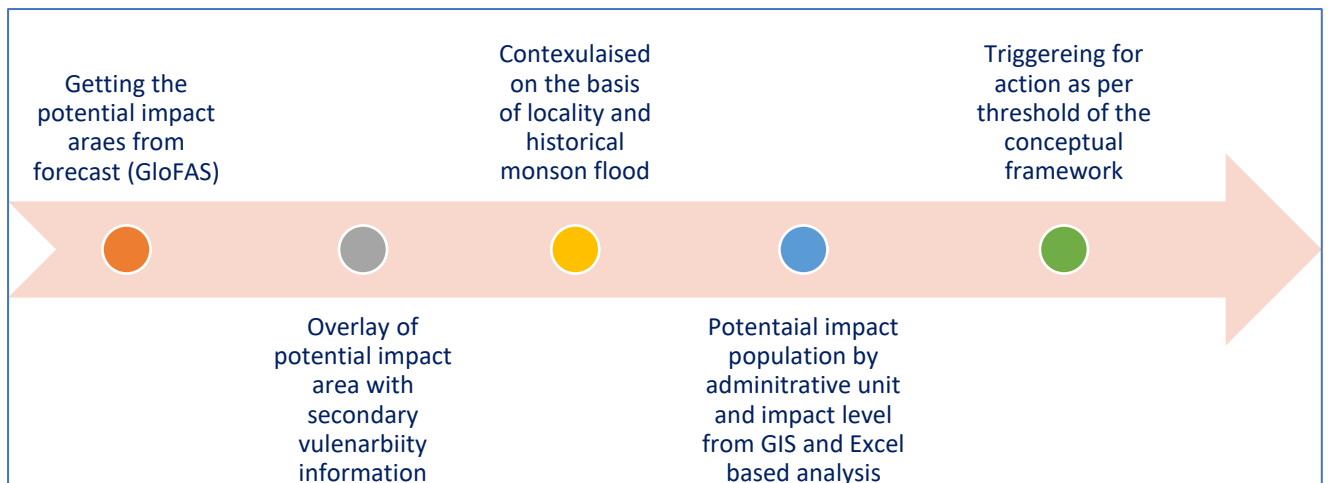


Figure 6: Technical guideline for anticipatory impact analysis of monsoon flood

This technical guideline has been applied with the available information through a practical step for monsoon flood anticipatory impact analysis, can be accessed from this link-

<https://drive.google.com/file/d/101MKescJNAHnuZWN0o1weXtY0j0fpHuz/view?usp=sharing>

3.3 Technical Guideline for Joint Needs Assessment

The Joint Needs Assessment approaches is well established and widely accepted by humanitarian community in Bangladesh. To develop this technical guideline, review of previous 16 Joint Needs Assessment has been conducted and analyses of the technical process guided the technical guideline for joint needs assessment in Bangladesh. Below figure 8, provided for required tools, techniques and information and figure 9 shows the steps of technical guideline for analysis of joint Needs Assessment.

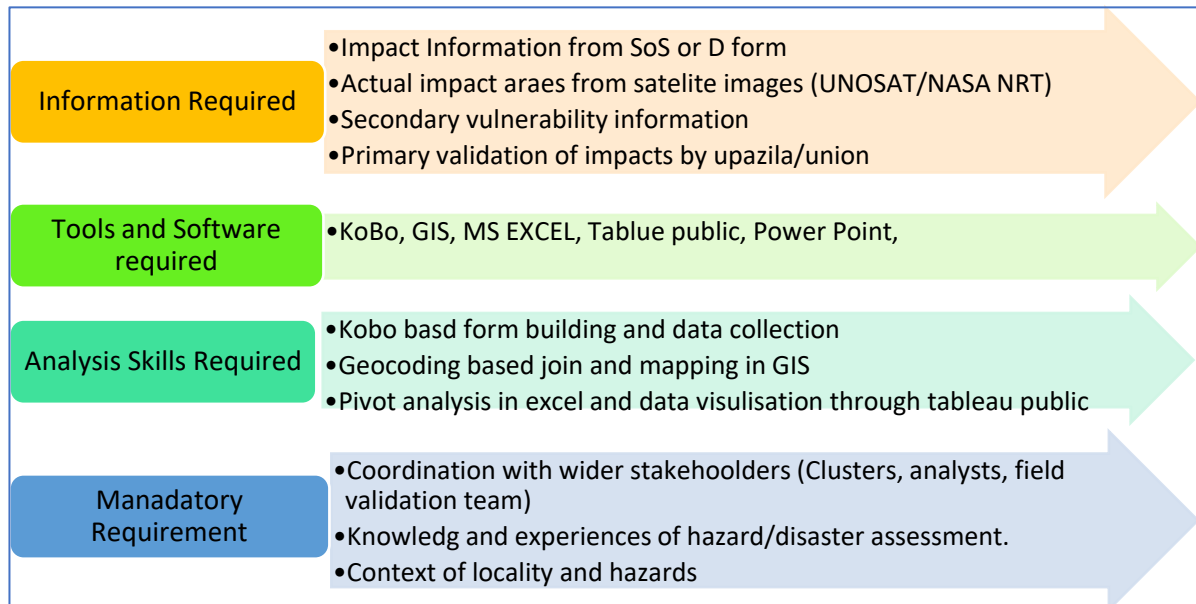


Figure 8: Information, tools and techniques required for joint needs assessment

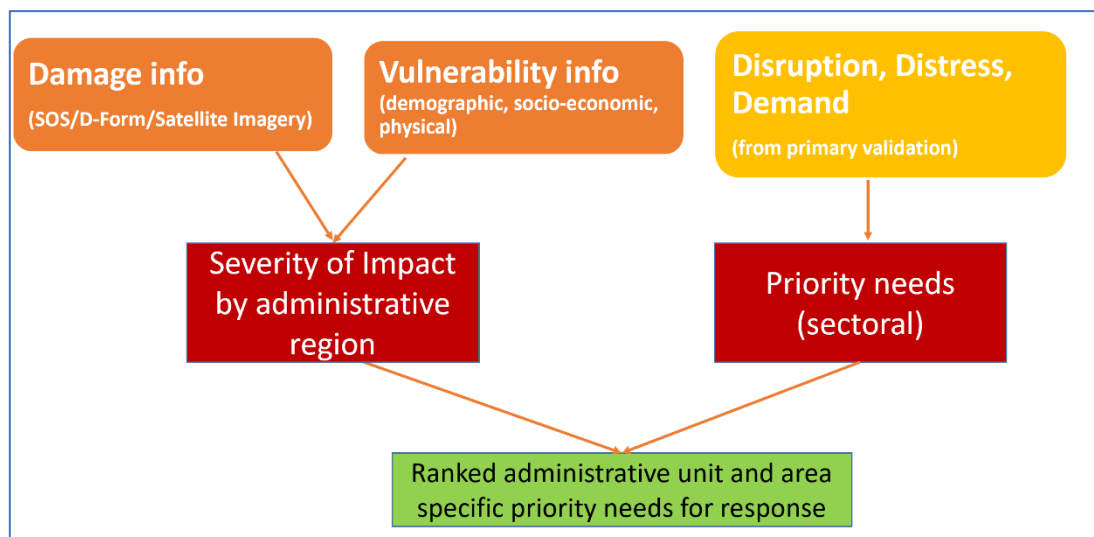


Figure 9: Technical guideline for analysis of joint needs assessment

This technical guideline has been applied with the available information through a practical step for joint needs assessment analysis, can be accessed from this link-

https://drive.google.com/file/d/1swegQwq7BKJanJtLSgg65ka17B5GgJ4_/view?usp=sharing

3.4 Technical Guideline for Humanitarian Response Analysis through 4W

The humanitarian response analysis is the key part of the humanitarian programme cycle. From 2020, NAWG has been initiated the 4W analysis for humanitarian community in Bangladesh to monitor the response scenarios. For developing the technical guideline review of previous 4W reports by NAWG and global 4W analysis methods has been reviewed, which guided the technical guideline for 4W analysis in Bangladesh. Below figure 10, provided for required tools, techniques and information and figure 11 shows the steps of technical guideline for 4W analysis.

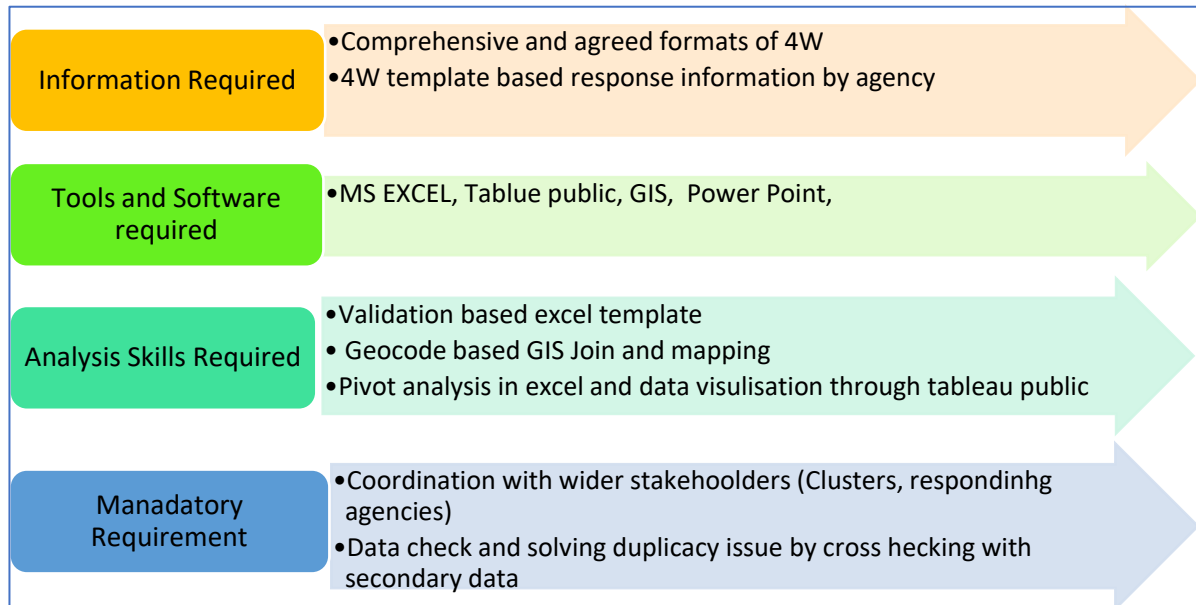


Figure 10: Information, tools and techniques required for 4W analysis

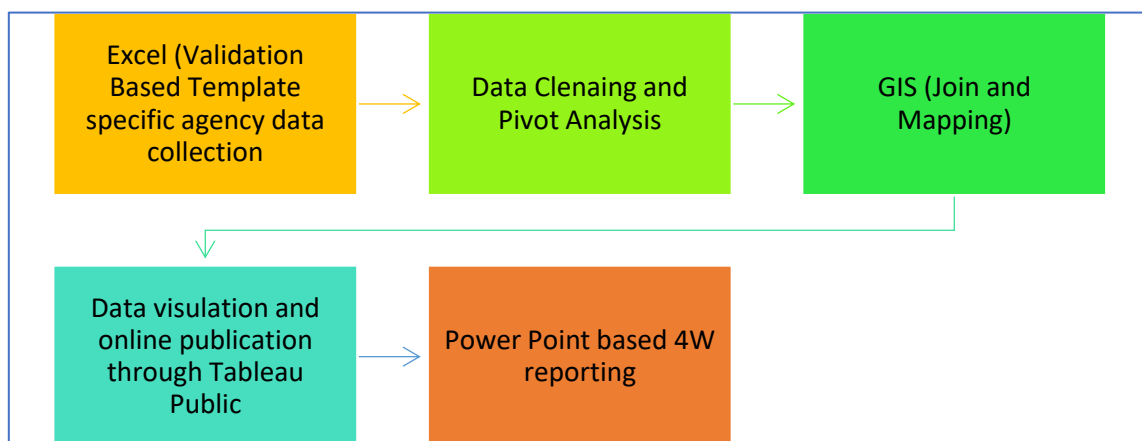


Figure 11: Technical guideline for analysis of humanitarian response through 4W.

This technical guideline has been applied with the available information through a practical step for 4W analysis, can be accessed from this link-

https://drive.google.com/file/d/1u0e7SIKvH32mv8T7_4mFZs7bq9eneuMc/view?usp=sharing

4. Conclusion and Way Forward

The technical guideline for capacity development of the analyst is expected enable NAWG analyst member to conduct the required analysis by following synchronized steps with access to required information sources. All the required data, shape file, secondary vulnerability information shared through google drive link (mentioned in annex B). The analysis process for hazards and disaster impact characterized as dynamic over the globe as the new tools and technology being introduced time to time. This technical guideline for capacity building was developed in a comprehensive way by integrating practical training to the pool of analyst (annex A), which will be a value addition to the Needs Assessment Working Group for conducting future impact analysis and assessment. Furthermore, it is recommended to quarterly exercise of analysis aspect and annual review/continuation of tools and techniques by following developed framework of the analysis for ensuring skills development and contribution of the analyst over the time.

Annex-A: Pool of Analyst

The contact details of pool of analyst who have been practically trained on the technical guideline, can be accessed from this link-

https://drive.google.com/drive/folders/1ZrvmNjrVBTQDHQGM_YpWFaAZhTjwGaxW?usp=sharing

Annex-B: Secondary Information Repository

The technical guideline mentioned required secondary vulnerability information, shape file, different analysis and reporting formats along sources of credible forecast information. These all can be accessed from the below link-

- **Access link for Secondary Precrisis Vulnerability Information :**

https://drive.google.com/drive/folders/10PpTbk_fFNH2IG_cZVFz2CckrGlb9AO?usp=sharing

- **Access link for Forecast source and Hazard Monitoring Tools :**

https://drive.google.com/file/d/1qfJ3j0S_lstVP_eoH6Kkgv2pXO8s9VQ/view?usp=sharing

