



**Centre on Integrated Rural Development for Asia and the Pacific  
Dhaka**

**Annex-1**

**General Brief**

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| <b>1. Training Code</b>                   | TF-192-NIRD-2019   |
| <b>2. Training Title</b>                  | CIRDAP-NIRD&PR Collaborative International Training Programme on Geospatial Information Management in Rural Development  |
| <b>3. Date and Duration</b>               | 19-28 March 2019 (10 days, excluding arrival and departure)  |
| <b>4. Venue</b>                           | NIRD&PR, Hyderabad, India  |
| <b>5. Implementing agencies</b>           | Centre on Integrated Rural Development for Asia and the Pacific (CIRDAP)<br>'Chameli House', 17 Topkhana Road, Dhaka-1000, Bangladesh<br>E-mail: dgcirdap@cirdap.org; training@cirdap.org<br><br>National Institute of Rural Development & Panchayati Raj (NIRD&PR)<br>Rajendranagar, Hyderabad, India |
| <b>6. Sponsoring agencies</b>             | Ministry of Rural Development (MoRD), Government of India  |
| <b>7. Number of overseas participants</b> | Up to twenty (20)  |
| <b>8. Number of local participant</b>     | Up to four (4)   |
| <b>9. Closing date</b>                    | 18 February 2019   |
| <b>10. Background</b>                     |  |

GIM is proving as a very powerful spatial technology tool for understanding earth features, planning for resource optimization, generation of decision alternatives, real-time monitoring and a host of related work, which has great potential in disaster management. The system has already created an enormous impact on virtually every field of activity that requires management and analysis of spatially distributed data. In particular, it has great potential to be the revolutionary technology to accelerate the sustainable development in the Asia and the Pacific Countries.

GIM technology has proved its potential in effective planning, management, monitoring of development initiatives and policy support measures across the world. In the recent past, India and some other Asian countries in which GIM has emerged as an effective tool in designing rural development programmes, with focus on sustainable poverty reduction and environmental conservation. The importance of the spatial dimension in assessing, monitoring and modelling various issues and problems related to sustainable management of natural resources is recognized all over the world.

GIM became very important technology to decision-makers across a wide range of disciplines, industries, commercial sector, environmental agencies, local and national government, research, academia,

national survey and mapping organizations, International organizations, United Nations, emergency services, public health and epidemiology, crime mapping, transportation and infrastructure, information technology industries, GIS consulting firms, environmental management agencies, tourist industry, utility companies, market analysis and e-commerce, mineral exploration, etc. Many government and non-government agencies started to use spatial data for managing their day-to-day activities.

Some countries in the region have significantly progressed in this direction, but others are yet to take off. This training is being organized to share smart and best approaches of GIM field, and strengthening capacity in member countries to the other CIRDAP member countries.

CIRDAP has been sharing the rich experience, best practices, process methodologies and demonstrative models designed and developed in India, to its member partners in Asia and Pacific, and recently the member countries have participated in such a programme held at NIRD&PR, Hyderabad. The evaluation suggested more such programmes for the benefits of member countries.

In this regard, CIRDAP in collaboration with NIRD&PR, is organizing an international training programme on 'Geospatial Information Management in Rural Development' in India from the 19th to 28th March 2019.

## **11. Objectives**

### ***Specific:***

- (i) To train the participants in the current use of the spatial technologies like Remote Sensing, GIS & GPS in rural development;
- (ii) To discuss various application potentials of geo-spatial technologies in development programmes with specific reference to their countries and exchange ideas; experiences in formulating and implementing the Geo-spatial technologies, assess the feasibility of meeting the regional needs based on existing manpower, software, hardware and data availability and assess the training needs and resources requirements at the country level;

### ***General:***

- (iii) To promote effective networking among the relevant institutions in the countries of the region and to address common challenges, mitigation and issues and promote information sharing and for South-South cooperation;
- (iv) To present case studies on application of the GIM in rural development and to disseminate the same at the regional level; and
- (v) To strengthen capacity building efforts of member countries through training to accelerate application GIM in the region to achieve SDGs.

## **12. Methodology**

Training methods include a combination of lectures-cum-discussions, panel and case discussions, appropriate mix of various participatory training methods through mock exercises and audio-visual presentations, inter and intra group discussions and experience sharing. In addition, appropriate energizers, ice-breakers, Group assignments etc., will be used in training programme.

Field visit will be highly interactive and focus will be more on practical orientation. A three days study visit will be organize to expose the participants to the process of GIM. The participants can document



lessons from the process of GIM and with appropriate suggestions can pursue similar process in their respective countries.

Tentative course outline are:

Specific areas in rural development planning, including agriculture, forestry, watershed planning, land use and land cover, infrastructure, water resources and governance issues where the application of Geo-spatial technologies would be most effective and work out specific proposals for follow-up actions. There will be knowledge dissemination on various Geo-spatial technology, Image processing software and various modules with capabilities. Professional inputs will be provided by resource persons and country level statements on the themes and subjects.

A Field study visit, for +/- 3 days outside of the venue, may arrange to study geo-spatial applications in rural development projects and their potential application capabilities.



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**Selection Criteria**

The participants are expected to possess the following qualifications:

1. **Current position:** The participants are mid and senior level government officials, working on Geo – Spatial Information Management (GIM) or Geographic Information System (GIS) from relevant government or non-government organizations.
2. **Work experience:** At least eight (8) years of experience in the position described above.
3. **Education:** University degree or equivalent qualification from a recognized university/ institution.
4. **Language:** The training is conducted in English, and participants are frequently required to make oral and written presentations. They must, therefore, be proficient in spoken and written English.
5. **Health:** Participants to complete a number of individual and group activities, and strenuous fieldwork. It is therefore, recommended to the member countries, not to nominate candidates who are likely to suffer from physical and mental stress.
6. **Age:** Eligible candidate should be between 30 and 50 years of old. However, these criteria will be flexible considering the professional experience.
7. **Certificate:** Participants are required to attend the entire training program to receive the CIRDAP-NIRD&PR certificate of attendance.
8. **Medical certification:** Examination to be done by a qualified medical physician to certify the nominee's fitness to travel (land and air) by distance, long hours and meet the tight schedules of the programme.



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**Country Paper**

Training participants are requested to submit and present a country paper on '**The Current Status of Geographical Information System (GIS) for Natural Disaster Management in .....** (name of their respective country)'

1. An ideal country paper may content:
  - a. **General information** (a brief description of the country in context of Geography, Climate, and Demography);
  - b. **Overview of Disasters**(a brief description of the types of Natural Disaster and its causes in the country);
  - c. **Policies** (a brief description of existing or proposed rules- regulations- policies- plan and strategies on GIS and Natural Disaster Management);
  - d. **Responsible Authority** (a brief description on the responsible organization(s), who are engaged with the cited matter/ subject);
  - e. **Structure of Response System** (a brief description of National Disaster Response Structures at Regional level/National level/ State level);
  - f. **Disaster Education and Awareness** (a brief description of educational programmes and awareness programmes on disaster management);
  - g. **Present practices/ Programme** (a brief description on present practices/programme, undertaken by any ministry or institute or department or other government or non-government bodies about the natural Disaster Management);
  - h. **GIS in Natural Disaster Management** (write a brief description on role or use of geospatial technologies in Natural Disaster Management);
  - i. **Limitations, challenges and opportunities** (a brief overview of limitations, challenges and opportunities confronted in disaster management, focusing particularly on the use and role of GIS);
  - j. **Way forwards** (Participant will point out his/her own idea to way forward of country's limitation-challenges and way of utilizing the opportunities);
  - k. In which area GIS/ GIM is extensively (to what degree) used or applied in your country?
  - l. Participants are free to write any other issues - related or relevant with training topic, in the context of their own countries perspective.
2. The country paper should be written on A4 size paper with 1" margin in all side, and maximum 3,000 (three thousand) words.
3. The participants have to prepare a power point presentation based on their country paper. The presentation time for each paper will be about five (5) minutes with another five (5) minutes Q&A session. However, paper presentation time may vary.
4. The country paper and the power point presentation to be submitted by **25 February 2019**. Both files should be renamed with first name\_country paper or PPT(e.g Jack\_country paper or Jack\_ppt) and submit through this link: <http://cirdap.org/capacity-building/>
5. Please note that, submitting country paper is a mandatory part of the programme. Based on it, all participants will present their paper during the training.





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**Financial Arrangements**

**(i) To be borne by the participants' or participating countries**

- a. *Participants' insurance premiums:* All participants are expected to be fully insured against the accident and illness (including hospitalization and death) for the entire duration of the training and travel. A copy of the travel insurance certificate is expected to submit to the CIRDAP Secretariat before participation. Neither the CIRDAP, nor the NIRD&PR will be responsible for any eventuality arising from accident or illness;
- b. All expenses related to visa fees and airport taxes;
- c. Any expenses incurred by participants for stop-overs on the way to and from the training venue, as well as for extra stay at the training venue before and/or after the official training period because of early arrival or late departure, for example, due to either limited available flights or any other reason;
- d. All other expenditure relating to travel within the applicant(s) country and in transit, miscellaneous expenses etc. will have to be met by the participant or their concern organization;

**(ii) To be borne by the implementing agencies (CIRDAP-NIRD&PR)**

- a. Pocket allowances and accommodation for up to 20 overseas participants and 04 local participants for 11 days, at the rate to be specified later.
- b. All local implementation costs (venue, workshop facilities aid kit, local travel arrangements etc.) for all participants.
- c. All assignment costs for resource persons.
- d. Round-trip in the economy-class international airfare, by the most direct route between the international airport of the participants' country and India.



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**1.0 CIRDAP Selection Guideline**

1. Each participating ministry or institute is requested to nominate three candidates in the order of preference. Please ensure that candidates nominated meet the qualifications specified under section 3 above.
2. No form of self-nomination will be accepted.
3. Please note that nomination of a candidate does not necessarily guarantee that s/he will be selected. Selection is at the discretion of the CIRDAP Secretariat. A basic criterion for selection is the homogeneity of the participants in terms of qualifications and work experience. Non-selection, therefore, does not mean that the candidates concerned are not competent enough. Sometimes candidates are not selected because they are over qualified for a training.
4. Each nomination should be accompanied by the necessary documents. A nomination lacking any of necessary documents (specified under section 4 above) may not be considered.
5. Member countries are requested to adhere to the **nomination deadline given on page 1**. The Secretariat may not consider late nominations as they have in the past resulted in considerable difficulties to the implementing organization in its preparatory work for the training.
6. If a selected participant becomes unable to attend, s/he should inform to the CIRDAP Secretariat immediately and give the reason for withdrawal.

**2.0 Actions by the CIRDAP Secretariat**

- a. Under normal circumstances, candidates who are selected will be informed of their acceptance at least three weeks prior to the start of the programme.
- b. If some candidates fail to qualify or be unable to participate after selection, or if some member countries fail to nominate any candidate, their slots may be filled by alternates from the same or another member country on a merit basis.

**3.0 Evaluation of Participants**

If the conduct/attendance/performance of a participant is not satisfactory, these will be reported to the CIRDAP director concerned.

**4.0 Other issue**

Without prior approval from the coordinator, Participants are requested not to invite any family member or friend in the training venue, accommodation arrangement, during field trip, and other official programmes.