

NOMINATION FORMAT

Title of the Course: Geo tagging and use of Modern IT/GIS/Space Technology in PMGSY Roads (July 24-25, 2017)

Last date of receiving nomination: July 20, 2017

1. Name of the participant:
2. Course for which Nomination submitted:
3. Designation & present assignment:
4. Deptt. / Organization:
5. Address for communication:

E-mail:

Telephone: (O)..... (R).....

(M)..... Fax:

6. Age:

7. Educational Qualification:

8. Whether attended program conducted by NIRD&PR:

Date :
Place :

Signature of the sponsor
with office seal

PROGRAMME ON

GEOTAGGING AND USE OF MODERN IT/GIS/SPACE TECHNOLOGY IN PMGSY ROADS

July 24-25, 2017

Venue: NIRDPR, NERC, Guwahati

Sponsored by

National Rural Road Development Agency (NRRDA)
MORD, Govt. of India



COURSE BROCHURE

LAST DATE OF RECEIVING NOMINATIONS

July 20, 2017



**NATIONAL INSTITUTE OF RURAL DEVELOPMENT
NORTH EASTERN REGIONAL CENTRE
NIRD LANE, NH-37,
JAWAHARNAGAR, KHANAPARA
GUWAHATI - 781 022**

Introduction

Rural Road Connectivity, and its sustained availability, is a key component of Rural Development as it assures continuing access to economic and social services and thereby generates increased agricultural incomes and productive employment opportunities.

The key to success of effective planning and monitoring of any infrastructure development project primarily depends on the current, correct & relevant information system. Use of Space technology in recent past emerged as a powerful & effective solution to assist decision makers to get rid of traditional time consuming and tedious methods of managing projects. After the launch of Pradhan Mantri Gram Sadak Yojna (PMGSY) in year 2000, and introduction of new concept of Core Network to optimize the cost of road construction to connect all eligible habitation by providing basic connectivity has been implemented effectively by using the Space technology.

The preparation of comprehensive road connectivity, up gradation and maintenance plan needs use of Space technology (GIS/RS/GPS). Geo-asset capturing/ Geo-tagging aids in tagging of the assets for better Monitoring, Capturing and Maintenance of Assets. The main feature is its ability to capture the details on site with the Geo-Fencing and tagging with GPS coordinates to locate the exact location on the GIS map.

The details of the assets (old and new) can be captured with an image of the asset to get firsthand information of the Asset. The Mobile application can be used for both Tangible and Intangible assets having a physical structure and those which can be photographed.

Since the data captured is Real time, Onsite, Geo-referenced and data uploaded instantaneously, it is a very dynamic in nature. The Space technology

application can be extended to additional components that are supporting functionalities that form the work flow for a better Geographical Information System.

In view of this, a two day Training Course is proposed, which aims at exposing the participants in the use of geo-tagging and modern Space technology applications for Planning and Management of PMGSY Roads in a cost effective, timely and scientific manner.

Objectives

- To introduce the concept of Spatial Technologies (GIS/RS/GPS).
- To introduce and hand hold the Open source QGIS software.
- To introduce the concept of Asset capturing through GPS enabled Mobile Phones
- To handhold on Assets capturing and Geo-tagging using Mobile devices
- To Visualize the PMGSY assets on Google Earth / Cloud Applications
- To Map and update the PMGSY assets using GIS.

Programme Content

The Programme would broadly cover the Concepts of Space technology, Geo-tagging and asset capturing using Mobile Phones, mapping and visualization for planning and Management of PMGSY Projects.

Participants Level:

Officials and Engineers from SRRDAs, PWD, RD, PR and DRDAs.

Course Directors:

Dr. NSR Prasad
Shri A. Simhachalam

Course Fee: There is no course fee.

Scheduled Dates and Duration

July 24-25, 2017: (02 days)

Travel

The to and fro travelling expenditure of the participants including local conveyance will have to be borne by the nominating authorities.

Venue

National Institute of Rural Development & PR
North Eastern Regional Centre
Jawaharnagar, Khanapara, Guwahati-781022

Board & Lodging

Free board and lodging will be provided to all participants in the NIRDPR's Guest House. Such provision for other than the participant is not available.

NOMINATIONS

Nominations in the prescribed format should reach the address given below.

Nomination form duly filled in to be returned to:

Dr NSR Prasad
National Institute of Rural Development
North Eastern Regional Centre
Jawaharnagar, Khanapara
Guwahati-781022
Phone: 0361-2302721/2304790, 7896257663 (M)
Fax: 0361-2302570
Email: prasad.nird@gmail.com
nirdghy@gmail.com