

**No.M-11011/02/2016-RE VII**  
**Government of India**  
**Ministry of Rural dEvelopment**  
**Department of Rural development**  
**MGNREGA Division**

Krishi Bhawan, New Delhi

Dated: 15 February, 2017

To,

The Principal Secretary/Secretary  
Department of Rural Development (in-charge of MGNREGA)  
All States/UTs (As per the list attached)

**Subject:- Advisory on GeoMGNREGA for States/UTs**

Sir/Madam,

Ministry of Rural Development has rolled out GeoMGNREGA - the GIS implementation of Mahatma Gandhi NREGA in public domain on 30<sup>th</sup> November, 2016 and about 60 lakhs geotagged Mahatma Gandhi NREGA assets have been put in public domain all over the country. The Ministry intends to geotag each of the assets created under MGNREGA.

The centralised asset inventory created under GeoMGNREGA could be utilised for analysis & planning of works under MGNREGA. While analysing the geotagged data, it has emerged that quality of photo and accuracy of geotags, needs to be taken care of at this stage, so that the data could be utilised effectively for planning and monitoring purposes.

Therefore, in order to achieve the optimum results, please find attached herewith an advisory for ensuring quality geotags and action points to be followed by the States/UTs at various levels.

Yours faithfully,

  
(Aparajita Sarangi)

Encl:- As above

## GeoMGNREGA Advisory to the States

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Centralized asset inventory with geotagged photographs created under GeoMGNREGA could be used for analysis & planning of works under MGNREGA. This requires optimum quality of geotags captured under GeoMGNREGA which may be achieved by ensuring quality of Photographs of all assets and assigning proper 'description' to each asset.

Therefore, following things need to be kept in mind while geotagging of an asset.

### 1. Quality of Photograph/Geotag (to be ensured by MSE):

Quality of photograph affects the possibility and perspective of assessment of the asset. It should be ensured that the photographs must have certain level of quality, which will help in further assessment of the assets. Following points should be followed while taking photographs of assets created under MGNREGA:-

- **Direction and Angle:** The direction and angle of photograph should be such that entire asset or maximum portion of the asset is visible in the photograph.
- **Orientation of photograph:** Similar orientation for similar assets. For example: Photographs should be taken, along the length in case of linear structures , like roads, water channel etc.
- **Photographs not against the sun** Position of the sun should always be on the back of the person taking photograph of the asset.
- **Clear/Haze free photographs:** All MSEs (MGNREGA Spatial Enumerators) should avoid taking photographs in fog and rains to ensure high quality images.
- **Linking citizen information display boards with the Photograph:** At least one picture of the asset should have picture of the citizen information display board along with the asset.
- Before capturing of geotag of an asset, MSE needs to wait for some moment so that the accuracy in the range of 10 meters is achieved.

### 2. Asset Name and Description:

For each completed work under MGNREGA, Asset id will be generated in NREGASoft. The asset detail should be maintained at GP level in Fixed Asset Register (FAR).

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Description of the asset is essential as it solely describes the asset type, quality and descriptive location of the asset. It also helps the MSE to identify the asset to be geotagged. There should be no mismatch in description of photograph and the asset created.

In order to achieve the desired goals under the GeoMGNREGA, following action points are suggested to be followed by the States/UTs at various levels:-

- The Gram Rozgar Sahayak/Technical Assistant working in the capacity of MGNREGA Spatial Enumerator (MSE) uses the GeoMGNREGA Bhuvan Mobile Application to capture the GIS location and photographs of the asset for uploading on the Bhuvan platform. The State/UT should ensure that all panchayats have a registered MSE responsible for geotagging.
- District GIS Nodal Officer (DGNO) and State GIS Nodal Officer (SGNO) should monitor quality of geotags under Mahatma Gandhi NREGA for their respective districts and states.
- GeoMGNREGA Working Group (GWG) shall supervise the work and ensure that there is no deviation to the standards fixed for geotagging. GWG will hold regular meetings to emphasise good practices of geotagging. GWG will play a crucial role in monitoring quality of geotags under Mahatma Gandhi NREGA.
- Ministry of Rural Development will do random check regularly to monitor the quality of geotags.
- GeoMGNREGA platform should be used by States/UTs for the purpose of planning of works to avoid duplicacy while preparing the labour budget and subsequent drawing up of the labour budget.
- States/UTs should ensure that whatever work is completed w.e.f. 01/04/2017 must be geotagged within one month from date of completion of work.
- Works already completed under MGNREGA should be geotagged in a prioritised manner insisting financial year wise geotagging of completed assets from 2016-2017, 2015-2016, 2014-2015 and backward, till FY 2006-2007.
- SGNO/DGNO should monitor the performance of GAS and MSE every day. There should be no pendency for moderation at the block level. Each geotag uploaded by the MSE, should be moderated maximum within 3 days by the GAS.

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