

RW/NH-24036/27/2021-BP&SP-Part(1)
Government of India
Ministry of Road Transport & Highways
Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated 10th June, 2022

To,

The Director General,
BISAG-N
Near CH 'O' Circle, Highway, Indulal Yagnik Marg, Gandhinagar - Ahmedabad Rd,
Gandhinagar,
Gujarat 382007

Subject: - Revamping of National Master Plan (NMP) Portal - Alignment of National Highways - Revalidation exercise by Executing agencies / ROs of the Ministry - Regarding

Sir,

This has reference to the D.O. letter No. NHAI/11013/LA/GIS Map/2022, dated 17.03.2022 from Chairperson (NHAI) addressed to all ROs of NHAI (copy enclosed) and OM No. RW/NH-24036/27/2021-BP&SP-Part(1), dated 03.06.2022 from CE-Planning (MoRT&H) addressed to all ROs of the MoRT&H under intimation to all concerned executing agencies and BISAG-N regarding GIS mapping of National Highways (NHs) & complete their verification by 31.07.2022. Copies of these references are enclosed herewith.

2. It is pertinent to mention in this context that GIS Mapping / alignments of the NH Network was earlier shared (partially / completely) on multiple occasions with BISAG-N Team:

- (i) 2021: GIS Mapping of ~1.31 lakh kms (based entirely on gazette notifications issued & Google maps) was shared with BISAG-N team to upload it on the portal for provisional use and for initiation of validation exercise;
- (ii) Feb - April, 2022: Alignment files for ~120 PM GatiShakti corridors were shared which were the part of Annexure A of CCEA Note;
- (iii) May'22 - Till date: Alignment files shared by NHAI ROs for NH network under their jurisdiction as part of revalidation exercise

3. A workshop was also organized involving the PDs of NHAI PIUs and DPR Consultants during 02.06.2022 to 04.06.2022 for improvement of the NMP portal and views have been shared with BISAG-N thereafter. It was agreed to share the GIS Mapping of ~1.41 km of NHs Network with BISAG-N Team which was prepared by the Ministry on QGIS Platform for uploading it on NMP Portal. The GIS mapping of NH network, once uploaded, shall be revalidated by ROs / Field Units of all executing agencies as part of the validation exercise and by BISAG-N team (Ref. Ministry's O.M. No. RW/NH-24036/27/2021-BP&SP-Part(1), dated 03.06.2022 mentioned above).

4. In continuation of the above, it is requested that entire NHs network may necessarily be uploaded on a single unified platform irrespective of the executing agencies (e.g. NHAI,



NHIDCL, BRO, State Govts. / UTs) with whom these are entrusted and avoid any duplication on the NMP portal.

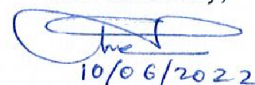
5.1. Following order of priority (in descending order) may be adopted while finalizing the alignments and uploading relevant KML / KMZ files on the NMP Portal: -

- (i) Priority 1: GIS Mapping / Corrections suggested by Field Units / ROs of Ministry / NHAI / NHIDCL / BRO as part of validation exercise;
- (ii) Priority 2: Alignment files for PM GatiShakti Corridors shared between Feb'2022 and Apr'2022;
- (iii) Priority 3: GIS Mapping of ~1.41 lakh km prepared by Ministry on QGIS Platform;
- (iv) Priority 4: GIS Mapping of ~1.31 lakh km shared with BISAG-N in 2021

5.2. BISAG-N is also requested to archive the alignments of lower priorities ensuring no network duplication.

6. It is requested to take necessary initiatives and complete entire validation exercise and upgradation of the Portal considering the above and also the suggestions forwarded in February, 2022 and in May, 2022 regarding upgradation of the portal.

Yours faithfully,



10/06/2022

(Sudip Chaudhury)

Chief Engineer (Planning)

Ministry of Road Transport & Highways

Enclosure: As above

Copy for information and necessary action to : -

1. The Special Secretary (Logistics), DPIIT, Ministry of Commerce & Industry
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department/ Road Construction Department/ Highways Department (dealing with National Highways)
3. The Managing Director, NHIDCL, PTI Building, New Delhi-110001
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi- 110 010
5. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs/ Road Construction Department/ Highways Departments (dealing with National Highways)
6. The Chairperson, NHAI, G-5&6, Sector - 10, Dwarka, N. Delhi - 110 075
7. Additional Secretary (Highways), MoRT&H
8. All ADGs, MoRT&H
All JSs / CEs, MoRT&H
9. Sh. S. S. Jha, CGM, NHAI
10. Sh. Ajmer Singh, CGM, NHAI
11. All CE-ROs / SE-ROs of MoRT&H
12. The Secretary General, Indian Roads Congress
13. Director, IAHE
14. Director (NT) / SE(PL)-I / SE(PL)-II
15. NIC-for uploading on Ministry's website under "What's new"
16. Sr. PPS to Secretary (RT&H)
17. PPS to DG (RD) & SS
18. Sh. Ajay Patel, Project Director, BISAG-N; bisagsp7@gujarat.gov.in;



10/06/2022

Dated 03rd June, 2022

OFFICE MEMORANDUM

Subject : GIS mapping of all National Highways -reg.

As you are aware that GIS mapping of entire network of National Highways (NHs) is one of the most important requirement for planning, execution and monitoring of NHs network, but this important task has not been completed so far.

2. Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG-N), Gandhinagar, Gujarat has done GIS mapping of approximately 1,30,000 km of NHs in the country but the same are required to be updated and verified by field units of the different agencies for the Ministry. The field units of NHAI in coordination and support of BISAG-N are verifying the details.

3. Similarly the field units of the Ministry (i.e. ROs) and field units of other executing agencies (such as State PWDs/ RCDs, NHIDCL, BRO, etc.) are also required to engage themselves with BISAG-N for verification and updation of the GIS mapping of all NHs under their jurisdiction.

4. Accordingly, the ROs of the Ministry are requested to coordinate with field units of other executing agencies mentioned above to depute suitable personnel from all executive agencies / their field units including from the ROs of the Ministry in consultation with BISAG-N to: -

(i) get the details of all projects / NHs sections within their respective jurisdictions checked and mapped with GIS maps of BISAG-N;

(ii) ensure availability of relevant prerequisite details wherever feasible (e.g. available KML / KMZ files of alignments / bypasses, ROW, chainage, etc.) with field units of respective executing agencies for ready reference during interaction with BISAG-N.

5. The entire exercise may be commenced immediately in consultation with BISAG-N and completed by 31st July, 2022.

6. NHAI has almost completed the entire exercise for the NHs assigned with them with the cooperation of their field units.

7. The ROs of the Ministry are requested to coordinate with the ROs of NHAI for necessary guidance in this context.

8. For any further assistance, NHAI Nodal Officer for this assignment [Shri SS Jha, CGM (Tech); Tel : 25074100 Ext. No. 1821; M : 9234503333; email - sheoshankar@nhai.org] may also be contacted in this regard.



(Sudip Chaudhury)
Chief Engineer (Planning)

To,
All CE-ROs / SE-ROs of the Ministry

Copy to : -

- | | | | |
|----|---|---|--|
| 1. | The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department/ Road Construction Department/ Highways Department (dealing with National Highways) | } | It is requested to give directions to all field units dealing with National Highways for needful action and for providing pro-active supports & cooperation to the ROs of the Ministry |
| 2. | The Managing Director, NHIDCL, PTI Building, New Delhi-110001 | } | |
| 3. | The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi- 110 010 | } | |
| 4. | All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs/ Road Construction Department/ Highways Departments (dealing with National Highways) | } | |
| 5. | The Chairperson, NHAI, G-5&6, Sector - 10, Dwarka, N. Delhi - 110 075 | } | |
| 6. | Sh. Ajay Patel, Project Director, BISAG-N; bisagsp7@gujarat.gov.in ; | } | It is requested to provide necessary supports |

Copy for information and necessary action to:

1. Additional Secretary (Highways)
2. All ADGs
3. All JSs / CEs
4. Sh. S. S. Jha, CGM, NHAI
5. Sh. Ajmer Singh, CGM, NHAI
6. Secretary General, Indian Roads Congress
7. Director, IAHE
8. Director (NT) / SE(PL)-I / SE(PL)-II
9. NIC-for uploading on Ministry's website under "What's new"
10. Sr. PPS to Secretary (RT&H)
11. PPS to DG (RD) & SS





अल्का उपाध्याय, आईएएस
अध्यक्ष
ALKA UPADHYAYA, IAS
CHAIRPERSON



सत्यमेव जयते



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
सड़क परिवहन और राजमार्ग मंत्रालय
National Highways Authority of India
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

NHAI/11013/LA/GIS Map/2022

Date: 17.03.2022

Subject: GIS Mapping of all Projects/National Highways with NHAI

GIS mapping of all projects of NHAI is one of the most important tool for monitoring the projects. Unfortunately, no such mapping has been done so far at NHAI.

2. Bhaskaracharya Institute for Space Applications and Geoinformatics (BISAG), Gandhinagar, Gujarat has done GIS mapping of approximately 1,30,000 Km of NHs in the country. They are ready to extend all support, including providing technical manpower for mapping our network of highways. This in turn is to be integrated with the project details available in our Datalake portal, with the help of the developer of the portal (M/s Amnex).

3. Both BISAG & Amnex are located at Gandhinagar/Ahmedabad. Since all the support is available at the office of BISAG, All ROs need to depute suitable personnel, in consultation with BISAG, and get the details of all Projects under their respective jurisdictions checked and mapped with GIS Map of BISAG. In the first instance, RO-Gujarat, located at Gandhinagar, may get such exercise done in the next 10 days.

4. In view of the pressure of targets till 31st March, 2022, it may not be possible to spare officers for the above mapping work by other ROs. The mapping of projects under remaining ROs will, therefore, be taken up from 10th April, 2022 and the whole exercise will be completed by 31st May, 2022. However, till that time, you may get the relevant prerequisite details, viz KML file, ROW, Chainage etc., of all Projects under your jurisdiction compiled for ready reference during checking.

5. Shri SS Jha, CGM(T) would be the Nodal Officer at NHAI HQ for this task and he may be contacted for any further information in this regard.


(Alka Upadhyaya)
Chairperson

To

All Regional Officers
NHAI