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 11th August, 2022

OFFICE MEMORANDUM (through email)

Subject: GIS mapping of all National Highways - Reg.

Ref. (i) Ministry's OM of even number, dated 03.06.2022;

(ii) Ministry's OM, dated 11.07.2022;

(iii) VC Meetings held on 15.07.2022 & 22.07.2022;

(iv) Ministry's OM, dated 28.07.2022.

Kind attention is drawn to OMs under reference (i), (ii) and (iv) above and VC meetings held in this context on 15.07.2022 and 22.07.2022 (ref. (iii) above) on the above mentioned subject (copies attached for ready reference).

2. The process of validation of NHs projects/ alignments on GIS platform of PM GatiShakti NMP portal is still in progress as information pertaining to NHs entrusted with State Governments are not fully made available and no information pertaining to NHs entrusted with BRO has been received so far.

3. All concerned States/ UTs and BRO are requested to provide the requisite details as per formats attached with OM under reference (ii) above URGENTLY without any further delay as the timeline of 31.07.2022 for submission is already overdue.

4. Kind attention is drawn to need for ensuring compliance with the following aspects while linking up Latitude, Longitude of Projects and KMZ / KML files of NHs on GIS platform in order to facilitate mapping and identification of NHs project locations correctly on GIS platform:-

(i) It is requested to ensure that the accuracy of Latitude and Longitude are based on those being provided in DPRs by Consultants based on site survey data, etc., ensuring that the KMZ/ KML files of the alignments are correct reflections of site while the same may be superimposed on any available digital map software / portal; Latitude / Longitude shall be furnished to a precision upto 06 digits of decimal place in degrees; e.g. typical report format shall be

Decimal degree Latitude: 28.568293°N Longitude:77.081060°E

(ii) The GPS survey data being gathered as part of DPR should be critically checked by the Consultants so that no discrepancy arises with actual ground situation.

5. Ensuring compliance with above would also be a major step towards eventually enabling seamless interactions and information sharing between various portals such as PMIS, Data lake, RAMS, PMG, OCMS, NIP, PM GatiShakti NMP, etc., with minor modifications in some of these portals; this would facilitate obviating current cumbersome practice of making multiple entries of individual project level information separately in all the portals.

6. It is requested to take note of above and also bring it into the notice of all concerned for needful compliance of para 3 & 4 above.

11/08/2022

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

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

Dated, 28th July, 2022

Office Memorandum (through email)

Subject: - GIS mapping of all National Highways – Reg.

Ref.(i) Ministry's OM of even number, dated 03.06.2022;
(ii) Ministry's OM, dated 11.07.2022;
(iii) VC Meetings held on 15.07.2022 & 22.07.2022.

Kind attention is drawn to the OMs under reference on the above mentioned subject and the VC Meetings held with the ROs of the Ministry & NHIDCL on 15.07.2022 and 22.07.2022 regarding furnishing of alignment (KMZ / KML files) so that the process of GIS mapping of NHs network on BISAG-N Portal (PM GatiShakti National Master Plan) can be concluded urgently.

2. The status of the receipts of KMZ files for **ongoing projects** is attached herewith. It may be seen from the same that the details are yet to be received for the States of Andhra Pradesh, Chhattisgarh, Haryana, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Goa, Punjab, Rajasthan, Tamil Nadu, Puducherry, Telangana and Tripura. Further, partial information has been received from State of the Bihar, Gujarat & Odisha.

3. In addition to above w.r.t. ref.(ii), it is requested to furnish additional alignment files of completed / ongoing / balance for Award projects by 30.07.2022 which are available with the respective agencies along with the **details filled in Annexure-B (these are pending for all States / UTs**).

4. All concerned Chief Engineers of Project Zones and Regional Officers are requested to accord Top Priority in furnishing balance information positively **by tomorrow (i.e. 29.07.2022) FN** so that the validation of these stretches may be concluded by 31.07.2022.

Sudip Chaudhury
Chief Engineer (Planning)

To,

All CE-ROs / SE-ROs of the Ministry

Copy to : - Sh. Ajay Patel, Project Director, BISAG-N; bisagsp7@gujarat.gov.in.

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
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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

Dated July 11, 2022

OFFICE MEMORANDUM

Subject: GIS Mapping of projects on National Highways

As you are aware, 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 all the agencies for the Ministry.

1. With reference to the OM dated 3rd June 2022 from Chief Engineer (Planning), all the field units of executing agencies (such as State PWDs / RCDs, NHIDCL, BRO, etc.) were requested to verify and update the GIS mapping of all NHs under their jurisdiction by 31st July 2022.

2. As part of this exercise, MoRT&H has identified a list of projects which were completed in the past and are currently under implementation for Roads Wing and NHIDCL from Project Monitoring Information System (PMIS).

3. In connection with the above, field units of State PWDs and NHIDCL are requested to furnish the alignment (KMZ / KML) files for the identified projects (list provided in Annexure – A) latest by 15th July 2022

4. The field units shall also furnish additional alignment files of completed / ongoing / Balance for Award projects by 15th July 2022 which are available with the respective agencies along with the details filled in Annexure - B

5. The KMZ files received will be furnished to BISAG-N for uploading it on the NMP portal.

6. For any further assistance, Sh. Bidur Kant Jha, Director; 8826173057; email: bidurkant.jha@gov.in, may also be contacted in this regard

With Best Wishes,
Yours Sincerely,

Bidur Kant Jha
Director

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

Copy to: -
1. The Managing Director, NHIDCL, PTI Building, New Delhi – 110001
2. All Engineers-in-Chief and Chief Engineers of Public Works Department of States / UTs / Roads Construction Department / Highways Departments (dealing with National Highways)
3. Sh. Ajay Patel, Project Director, BISAG-N; bisagsp7@gujarat.gov.in

Copy for information and necessary action to:
1. Additional Secretary (Highways)
2. All ADGs
3. All JSs / CEs
4. Sr. PPS to Secretary (RT&H)
5. PPS to DG (RD) & SS

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 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

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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:

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11. PPS to DG (RD) & SS

अल्का उपाध्याय, आईएएस
अध्यक्ष
ALKA UPADHYAYA, IAS
CHAIRPERSON

सत्यमेव जयते

आज़ादी का अमृत महोत्सव

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

NHAI, G-5&6, Sector-10, Dwarka, New Delhi-110075
Tel.: +91-11-25076503, Fax : +91-11-25093605, E : chairman@nhai.org / www.nhai.gov.in

| | | |

Project Details for which KMZ Files are shared additionally for GIS Validation						
Sr. No.	State	Project Name	Length (in km)	Cost (in Rs. Cr.)	Status	KMZ File Shared (Y/ N)
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