



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport and Highways)

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### NHAI/Policy Guidelines/ Miscellaneous/2021

#### Policy Circular No. 18.69 Dated 10<sup>th</sup> June, 2021

**Sub: Mandatory monthly Drone Video Recording of Project Highway during the development, construction and O&M period**

The Contract Agreement on EPC mode (Refer Clause 11.16 of DCA) and the Concession Agreement on HAM & Toll modes (Refer Clause 13.6 of MCA) provide for video recording of the project highway during the construction period. Whether a similar provision exists or not, the instructions in this circular shall be applicable for all projects of NHAI irrespective of mode (Item Rate/EPC/Toll/Annuity/HAM/OMT/TOT, etc.).

2. With an objective to bring transparency, uniformity and use latest technologies, drone based video recording covering the entire ROW showing chainages, proposed ROW, median centreline, etc shall be made by the Contractors/ Concessionaires every month w.e.f. the month ending on 30.06.2021, during construction and O&M period (by approving COS by ROs, if required, for which delegation of power is hereby granted to ROs). NHAI has already finalised zone-wise agencies & rates for the entire country for making drone videos of National Highways. The Contractors/ Concessionaires may use these agencies or engage agency of their choice, but the specifications/methodology should match those notified by NHAI. Contractor/ Concessionaire shall carry out such drone video recording in the presence of Team Leader of IE/AE/SC. The video of last month and the current month running side by side shall be loaded on Data Lake for easily capturing various developments during the month (a sample screenshot is attached herewith and also loaded on Data Lake along with a sample video for guidance). IE/AE/SC shall ensure that the features and quality of drone video is acceptable and the video is not distorted/ tampered with.

3. IE/AE/SC shall analyse these drone videos and give their comments in its digital MPRs covering interalia but not limited to the encumbrances/ lands not available, sites of COS demands, progress of project, mobilisation of plant & equipment, mobilisation at camp sites, progress on rectifications of NCRs, etc alongwith the proposed action plan. PD shall crosscheck drone videos during his monthly physical inspections and notify the discrepancies noticed, if any, between drone video, on IE/AE/SC comments and ground reality. The discrepancies shall be examined and addressed through joint site inspections.

4. In addition, PDs shall undertake drone videography on their own using NHAI empanelled agencies on the following specific occasions:

- (i) on the date of signing of Contract/ Concession Agreement & every month thereafter till declaration of Appointed Date;
- (ii) whenever Concessionaire/ Contractor notifies IE/AE/SC to undertake the tests claiming completion of the project highway [provisional completion (PCC/PCOD) and completion (CC)], and on date of issue of PCC and CC by IE/AE/SC; and
- (iii) every month in all developed project reaches where NHAI is responsible for maintenance/ O&M

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5. As the above drone videos/ reports will be permanent record on Data Lake and will be used as evidences during dispute resolution process before Arbitral Tribunals/ Courts including Supreme Court, the drone video shall be carried out carefully and correctly without distortions/ tampering by all parties concerned.
6. This issues with the approval of Competent Authority.

*11/06/2024*  
*10.06.2024*

(Sheo Shankar Jha)  
CGM (Coord.)

To:

All officers of NHAI/HQ/ROs/PIUs/CMUs/Site Offices

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