

कार्यालय प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग मुजफ्फरनगर ।

पत्रांक-2372/14-1 (FP/UP/Road/ 155328/2022) दिनांक, मुजफ्फरनगर, 07.01.2023 ।

सेवा में,

वन संरक्षक/क्षेत्रीय निदेशक

सहारनपुर वृत्त सहारनपुर ।

विषय:-

जनपद मुजफ्फरनगर में राष्ट्रीय राजमार्ग प्राधिकरण पी0आई0यू0 बागपत द्वारा "Improvement to spur of NH-709AD Muzaffarnagar Bypass from Km 72+600 of NH-709AD to km 113+450 of NH 334 near Muzaffarnagar town (Design Km 0+000 to km 10+135)" हेतु 5.597592 हे० संरक्षित वन भूमि के गैर वानिकी प्रयोग एवं बाधक विभिन्न प्रजातियों के 461 वृक्षों के पातन/ट्रान्सप्लान्टकी अनुमति के संबंध में।

संदर्भ:-

भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय उत्तर प्रदेश लखनऊ का पत्रांक-8वी०/यू० पी०/०६/258/2022/एफ०सी०/664 दिनांक-02.11.2022 ।

महोदय,

जनपद मुजफ्फरनगर में राष्ट्रीय राजमार्ग प्राधिकरण पी0आई0यू0 बागपत द्वारा "Improvement to spur of NH-709AD Muzaffarnagar Bypass from Km 72+600 of NH-709AD to km 113+450 of NH 334 near Muzaffarnagar town (Design Km 0+000 to km 10+135)" हेतु 5.597592 हे० संरक्षित वन भूमि के गैर वानिकी प्रयोग एवं बाधक विभिन्न प्रजातियों के 461 वृक्षों के पातन/ट्रान्सप्लान्ट की अनुमति के प्रस्ताव में भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय उत्तर प्रदेश लखनऊ के संदर्भित पत्र दिनांक-02.11.2022 द्वारा सैद्धान्तिक स्वीकृति जारी की गयी है। जिसके क्रम में प्रयोक्ता अभिकरण ने अपने पत्रांक-डी०-9865 दिनांक-14.12.2022 के माध्यम से सैद्धान्तिक स्वीकृति की अनुपालन आख्या निम्नानुसार प्रेषित की गयी है-

SL	Stipulated Condition	COMPLIANCE
1	Legal status of the forest land shall remain unchanged.	Agreed, legal status of the Forest Land will not be changed and will remain be the same as it is. May please refer Annexure-1 for undertaking
2	Compensatory afforestation shall be taken up by the Forest Department in an area of 12.00 ha degraded forest land in Compartment / Survey No. 2b of Sahansara (Patli Milan) Block, Range Shakumbhari, Shiwalik Forest Division, Saharanpur at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.	Agreed and complied. The cost of compensatory afforestation as per CA estimate, prepared by the concerned Forest Department amounting Rs. 2831600.00, is already deposited in CAMPA account and it is also updated on https://parivesh.nic.in/ , details of the same is attached as Attachment-1 (Receipt of payment). Based on site specific suitability, species of plants/samplings for CA are to be selected by forest department. May please refer Annexure-2, 2A for undertaking.
3	The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA plantation will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost for works scheduled for subsequent years.	Agreed and complied. Demand notes against CA and NPV amounting Rs.8192862.00 has been issued by DFO Muzaffar Nagar vide letter no.1553/14-1 on dated 11/11/2022. Further, the demand note is approved by NODAL (Forest) Lucknow and deposited in CAMPA account. May please refer Attachment-1 . (Receipt of payment). Also, please refer Annexure-3 for undertaking.
4	The State Government shall charge the Net Present Value (NPV) for the 5.597592 ha. forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1 / 1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009. Revised amount of NPV as applicable as per orders dated 06-01-2022 and 19-01-2022 shall be deposited by User Agency in this regard.	Agreed and complied An amount Rs 5361262.00 against revised NPV calculated by office of DFO Muzaffar Nagar, for 5.597592 ha of diverted forest land is already deposited in CAMPA account, may please refer Attachment-1 . (Receipt of payment). Also, please refer Annexure- 4 for undertaking.
5	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an Undertaking to this effect.	Agreed and will be complied In case additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, User Agency NHA1-PIU Baghat is agreed to pay. Undertaking for the same is already given in forest land diversion proposal and as compliance of this stage-1 condition, undertaking is attached as Annexure-05
6	User agency shall restrict the felling of trees to 461 trees/minimum numbers in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees	Agreed and will be complied. Keeping in view of working site condition, as much as possible minimum number of trees will be felled for proposed road which are already enumerated and certified by Forest Department.

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	shall be deposited by the User Agency with the State Forest Department.	It is already ensured that no extra tree shall be felled other than identified 461 nos. trees. Keeping in view of road user safety, all effort for saving tree will be made during cutting of tree under supervision of the concerned forest department. The cost for tree felling will be deposited with the State Forest Department by the User Agency as per demand note of forest department. May please refer Annexure-6 for undertaking
7	The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.	Agreed and complied Full compliance of FRA, 2006 is ensured prior to award of stage-1 approval. FRA certificate is already attached with Forest Land Diversion Proposal. May Please refer Attachment-2 (FRA Certificate of District Collector) Also, please refer Annexure-7 for undertaking
8	No violation of FCA certificate from concerned DFO shall be provided.	This is to state that No violation of FCA-1980 has been committed by User Agency in this project. Certificate from concerned DFO was already submitted with forest proposal at page no. 92 and the same is uploaded on online portal. Again for ready reference, the same is attached for your ready reference as Attachment-3 . (No Violation certificate) also please refer Annexure-8, 8A for undertaking
9	Plantation shall be raised on both sides of the road and median (if available) by the State Forest Department at the cost of User Agency according to IRC guidelines and order passed by NGT in OA no. 27/2015 in the matter of Babulal Jaju v/s State of Rajasthan and others dated 16.11.2015 as per submitted scheme.	Agreed to comply with IRC: SP: 21:2009 guideline as well as Green Highway Policy 2015 for plantation and land scaping applicable in this project. Plantation scheme for this project road is already submitted with Forest Land Diversion Proposal and the same is attached herewith as Attachment-4 May please refer Annexure-9 for undertaking
10	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas	This is to state that there is no Protected Area or area having similar eco-sensitivity along the project road. Strip plantation along the road/crossroad is notified as Protected Forest. Speed regulation signage will also be installed at appropriate location as per IRC guideline (IRC:SP:55:2015 & IRC:SP:67-2012) and also as per suggestions of concerned forest department to aware the drivers and other road users. May please refer Annexure-10 for undertaking
11	The user agency shall provide suitable under over pass in Protected Area / Forest Area as per recommendations of CWLW/NBWL/FAC/REC.	This is to state that there is no Protected Area along the project road. Strip plantation along the road is notified as Protected Forest. Since, there is no protected area or area having similar eco-sensitivity along the project road CWLW/NBWL recommendation is not sought/given. Appropriate number cross structures are already incorporated in design. May please refer Annexure-11 for undertaking.
12	User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act. 1986, if applicable.	This is to confirm that this project road <i>does not</i> attract Environmental Clearance (EC). The EIA notification 14th September 2006 amended, vide notification S.O.2559(E), dated 22nd of August 2013 which reads "Expansion of National Highways greater than 100 km involving additional right of way or land acquisition greater than 40 m on existing alignments and 60 m on re-alignments or by-passes." In purview of this amendment in EIA notification, it is already established that the proposed project does not attract Environmental Clearance (EC) from MoEFCC as the length of project road section is less than 100 km. May please refer Annexure-12 for undertaking
13	The layout plan of the proposal shall not be changed without prior approval of Central Government.	Agreed and will be complied. Layout plan of proposed project will not be changed without permission of Central Government. May please refer Annexure-13 for undertaking
14	No labour camp shall be established on the forest land.	Agreed and will be complied. No unauthorized labour camp /construction yard will be established on diverted Forest land or in nearby forest area. May please refer Annexure-14 for undertaking
15	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.	Agreed and will be complied. For the purpose of cooking, User Agency through construction contractor, commercial LPG will be provided to all construction workers engaged in project. May please refer Annexure-15 for undertaking
16	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost as per the directions of the concerned Divisional Forest Officer.	Agreed and will be complied. Pillar marking with geo-coordinates (both ways backward & forward) at the boundary of forest land diverted, will be done under supervision of forest department. Cost of the same will be borne by user agency (NHAI-PIU Baghpur, Uttar Pradesh). May please refer Annexure-16 for undertaking

17	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	Agreed and noted. It is ensured that no new road/haul road/path will be constructed for travelling or transportation of construction material for project road other than forest land diverted and for which forest clearance accorded. May please refer Annexure-17 for undertaking
18	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.	Not applicable in NHAI project. In this regard Letter of Uttar Pradesh state govt. vide letter no. 35075 on Dated 9/01/2013 is attached. Please refer Attachment- 5 . May also, please refer Annexure- 18 for undertaking
19	The forest land shall not be used for any purpose other than that specified in the project proposal.	Agreed and will be complied It is ensured that forest land will not be used for any purpose other than the improvement and widening of proposed road project. May please refer Annexure-19 for undertaking
20	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.	Noted and agreed It is ensured that diverted forest land for proposed project will not be transferred to any other agencies, department or individual under any circumstances without prior permission of the Central Government. May please refer Annexure-20 for undertaking.
21	The KML file of the area to be diverted, the CA areas, the proposed SMC work, the proposed Catchment Area Treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details before commencement of works.	Agreed and will be compiled This is to confirm that the KML file of the diverted forest area and the CA areas is already provided to forest department and it will be uploaded on e-greenwatch portal (http://egreenwatch.nic.in/). Since, diverted forest land is strip plantation along the existing road, notified as PF land, scope of SMC (Soil and Moisture Conservation) work, the proposed Catchment Area, Treatment area and the WLMP area is very much limited. However, if provisioned by the concerned Forest Department it shall be uploaded on the e-green watch portal with all requisite details, before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval. May please refer Annexure-21 for undertaking
22	Any order of Temporary Work Permission in case of linear projects for tree cutting and commencement of work as per clause 11.2 of FCA Guidelines shall be passed under intimation to Nodal office and this office. Order of Temporary Work Permission have to be uploaded on PARIVESH Portal as well. Nodal Officer will strictly monitor and ensure that no further activity is carried out under such permission after the expiry of one year from the date of issue of such permission.	Agreed and will be compiled. No temporary work will be initiated unless final Forest Clearance is awarded. May please refer Annexure-22 for undertaking
23	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt. 29/01/2018.	Agreed, as of now no violation of Forest conservation Act, 1980 has been committed on this project. User Agency, NHAI-PIU Baghpat, Uttar Pradesh will adhere all the conditions stipulated in stage-I Forest Clearance of this project. In case any violation reported, User Agency will be fully responsible for it and appropriate action might be initiated. May please refer Annexure-23 for undertaking
24	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection, and development of forests & wildlife.	Agreed, All the conditions/directions issued by MoEF&CC from time to time in the interest of conservation and development of forest & wildlife will be complied. May please refer Annexure-24 for undertaking
25	All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through (https://parivesh.nic.in/).	Noted, the receipt of funds deposited in CAMPA account is attached, please refer Attachment-1 . (Receipt of payment) and the same will be uploaded on MoEF&CC web portal https://parivesh.nic.in/ . May please refer Annexure-25 for undertaking
26	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/)	Noted, the compliance of conditions stipulated in in-principal approval of this project will be uploaded on MoEF&CC web portal https://parivesh.nic.in/ . May also please refer Annexure-26 for undertaking

क्षतिपूरक वनीकरण (शिवालिक वन प्रभाग, सहारनपुर)	रुपये-2831600.00
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योग-	रुपये-8192862.00

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अतः विषयक प्रस्ताव में भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय उत्तर प्रदेश लखनऊ के पत्रांक- 8बी0/यू0पी0 /06/258/2022/एफ0सी0/664 दिनांक-02.11.2022 के क्रम में प्रयोक्ता अभिकरण/ भारतीय राष्ट्रीय राजमार्ग प्राधिकरण पी0आई0यू0 बागपत द्वारा उपलब्ध करायी गयी वचनबद्धताएँ प्रतिहस्ताक्षरित कर आपकी सेवा में इस अनुरोध के साथ प्रेषित है कि उक्त को नियमानुसार उच्च स्तर को प्रेषित करने की कृपा करें ।

संलग्नक-उपरोक्तानुसार (04 पेन ड्राईव सहित)

भवदीय

(कन्हैया पटेल)

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग

मुजफ्फरनगर

संख्या 2372 14-1(FP/UP/Road/ 155328/2022) दिनांकित ।

प्रतिलिपि मुख्य वन संरक्षक/नोडल अधिकारी, उत्तर प्रदेश लखनऊ की सेवा में सादर सूचनार्थ प्रेषित ।

प्रतिलिपि परियोजना क्रियान्वयन इकाई भारतीय राष्ट्रीय राजमार्ग प्राधिकरण बागपत को उनके संदर्भित पत्र दिनांक

14.12.2022 के क्रम में सूचनार्थ प्रेषित ।

प्रतिलिपि प्रभागीय वनाधिकारी, शिवालिक वन प्रभाग सहारनपुर को विषयक प्रस्ताव में क्षतिपूरक वनीकरण स्थल शिवालिक वन प्रभाग सहारनपुर में होने के फलस्वरूप सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित ।

प्रतिलिपि क्षेत्रीय वन अधिकारी, मुजफ्फरनगर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित ।

(कन्हैया पटेल)

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग

मुजफ्फरनगर



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Government of India)

परियोजना क्रियान्वयन इकाई - बागपत, Project Implementation Unit, Baghpat

फ्रेंड्स कॉलोनी, निकट पी.डब्ल्यू.सी. गेस्ट हाउस, पदौत रोड, जिला-बागपत - 250609

Friends Colony, Near PWD Guest House, Baraut Road, District Baghpat-250609

टेलीफोन: 0121-2222971, ई-मेल : plu.baghpat@gmail.com, plubaghpat@nhai.org वेब : www.nhai.gov.in



NHAI/PIU-BPT/1012/SPUR/Mzf/2022/D- 9865

Date:- 14.12.2022

To

The Divisional Forest Officer
Laddhawala, Meerut Road,
Muzaffarnagar, Uttar Pradesh 251001

Sub: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)". (Online Proposal No: - FP/UP/ROAD/155328/2022)

Ref: Stage-1 Forest Clearance (FC) which has been accorded by MoEFCC Regional office (North Central Zone), Lucknow vide letter no: - 8B/UP/06/258/2022/FC/664; on dated 02/11/2022.

Sir

Please refer to the above captioned subject and aforementioned reference.

2. We herewith submit the compliance of stipulated conditions given in stage-1 Forest Clearance for above cited project. The details of compliance against each stipulated conditions are provided in Appendix-I along with Annexures (26 nos.) and Attachments (5 Nos).

3. Being a priority project, we request to you kindly accept the compliance of stage-1 conditions and process it for onward submission to get stage-II approval.

Thanking You

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MC/16/12
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14.12.2022
Project Director
NHAI-PIU, Baghpat

Encl:

- (a) Appendix-I (details of compliance against each stipulated conditions of Stage-I FC).
- (b) Undertakings/certificates against each condition of stage-1 approval (26 Nos.)
- (c) Attachments (05 Nos.)

(~~कांहेय प्रदेल~~)
प्रशासक निदेशक
खानाजिक सन्धिकी प्रभाग
मुजफ्फरनगर



भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
एकीकृत क्षेत्रीय कार्यालय, लखनऊ



Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Lucknow

केन्द्रीय भवन, पंचम तल, सेक्टर-एच, अलीगंज, लखनऊ-226024
Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow-226024, Telefax-2326696
Email: roc2.lko-mef@nic.in

पत्र सं०: 8बी/यू.पी./06/258/2022/एफ.सी. 1664

दिनांक: 02.11.2022

सेवा में,

अति० मुख्य सचिव,
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग,
बापू भवन, उत्तर प्रदेश शासन, लखनऊ।

Online Proposal No. FP/UP/Road/155328/2022

विषय: जनपद मुजफ्फरनगर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण पी0आई0यू0 बागपत द्वारा "Improvement to spur of NH-709AD Muzaffarnagar Bypass from Km 72+600 of NH-709AD to km 113+450 of NH 334 near Muzaffarnagar town (Design km 0+000 to km 10+135)" हेतु 5.597592 हे० संरक्षित वनभूमि के गैरवानिकी प्रयोग एवं बाधक विभिन्न प्रजातियों के 481 वृक्षों के पातन/ट्रान्सप्लान्ट की अनुमति के सम्बन्ध में।

संदर्भ: आपका पत्रांक 1250/11-सी-FP/UP/Road/155328/2022, दिनांक 06.10.2022.

महोदय,

उपरोक्त विषय पर सचिव, उत्तर प्रदेश शासन का पत्रांक पी-300/81-2-2022-800(300)/2022, दिनांक 31.08.2022 का आशय ग्रहण करने का कष्ट करें, जिसके द्वारा विषयांकित प्रस्ताव पर वन(संरक्षण) अधिनियम, 1980 की धारा(2) के अन्तर्गत भारत सरकार की स्वीकृति मांगी थी।

प्रकरण को दिनांक 20.10.2022 को आहूत की गई क्षेत्रीय सशक्त समिति (REC) की बैठक में (REC Agenda item 70.5-UP) शामिल किया गया था। बैठक में प्रकरण को स्वीकृति प्रदान की गई है। क्षेत्रीय सशक्त समिति की स्वीकृति उपरान्त मुझे आपको यह सूचित करने का निर्देश हुआ है कि केन्द्र सरकार जनपद मुजफ्फरनगर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण पी0आई0यू0 बागपत द्वारा "Improvement to spur of NH-709AD Muzaffarnagar Bypass from Km 72+600 of NH-709AD to km 113+450 of NH 334 near Muzaffarnagar town (Design km 0+000 to km 10+135)" हेतु 5.597592 हे० संरक्षित वनभूमि के गैरवानिकी प्रयोग एवं बाधक विभिन्न प्रजातियों के 461 वृक्षों के पातन/ट्रान्सप्लान्ट की सैद्धान्तिक स्वीकृति निम्नलिखित शर्तों पर प्रदान करती है:-

1. Legal status of the forest land shall remain unchanged.
2. Compensatory afforestation shall be taken up by the Forest Department in an area of 12.00 ha degraded forest land in Compartment/Survey No. 2b of Sahansara (Patli Milan) Block, Range Shakumbhari, Shiwalik Forest Division, Saharanpur at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.
3. The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA plantation will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.
4. The State Government shall charge the Net Present Value (NPV) for the 5.597592 ha. forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009.

Revised amount of NPV as applicable as per orders dated 06-01-2022 and 19-01-2022 shall be deposited by User Agency in this regard.

Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect.

User agency shall restrict the felling of trees to 461 trees/minimum numbers in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.

7. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.
8. No violation of FCA certificate from concerned DFO shall be provided.
9. Plantation shall be raised on both sides of the road and median (if available) by the State Forest Department at the cost of User Agency according to IRC guidelines and order passed by NGT in OA no. 27/2015 in the matter of Babulal Jaju v/s State of Rajasthan and others dated 16.11.2015 as per submitted scheme.
10. Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas.
11. The user agency shall provide suitable under / over pass in Protected Area / Forest Area as per recommendations of CWLW / NBWL / FAC / REC.
12. User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.
13. The layout plan of the proposal shall not be changed without prior approval of Central Government.
14. No labour camp shall be established on the forest land.
15. Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.
16. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.
17. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
18. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
19. The forest land shall not be used for any purpose other than that specified in the project proposal.
20. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.
21. The KML file of the area to be diverted, the CA areas, the proposed SMC work, the proposed Catchment Area Treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details before commencement of works.
22. Any order of Temporary Work Permission in case of linear projects for tree cutting and commencement of work as per clause 11.2 of FCA Guidelines shall be passed under intimation to Nodal office and this office. Order of Temporary Work Permission have to be uploaded on PARIVESH Portal as well. Nodal Officer will strictly monitor and ensure that no further activity is carried out under such permission after the expiry of one year from the date of issue of such permission.
23. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt. 29/01/2018.

Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.

5. All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through (<https://parivesh.nic.in/>).
26. The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>)

After receipt of compliance report on fulfillment of all of the above conditions from the State Government, proposal will be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980, by this office.

The order for transfer of forest land to user agency shall not be issued by the State Government till final approval order for diversion of forest land is issued by Government of India.

भवदीया,

(डॉ० प्राची गंगवार)
उप वन महानिरीक्षक (केन्द्रीय)

प्रतिलिपि (ईमेल द्वारा) :-

1. मुख्य वन संरक्षक(वन संरक्षण) एवं नोडल अधिकारी, वन विभाग, 17, राणा प्रताप मार्ग, लखनऊ, उ०प्र०।
2. प्रधान मुख्य वन संरक्षक(हॉफ), वन विभाग, 17, राणा प्रताप मार्ग, लखनऊ, उ०प्र०।
3. नोडल अधिकारी/मुख्य वन संरक्षक, कैम्पा, 17, राणा प्रताप मार्ग, लखनऊ, उ०प्र०।
4. प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर।
5. परियोजना निदेशक, भा०रा०रा०प्रा०, पी०आई०यू०, बागपत।
- ✓ 6. पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत क्षेत्रीय कार्यालय को वेबसाइट पर अपलोडिंग हेतु/आदेश पत्रावली।

(डॉ० प्राची गंगवार)
उप वन महानिरीक्षक (केन्द्रीय)

Appendix-I

Compliance of conditions stipulated in Stage-1 Forest Clearance (FC) which has been accorded by MoEFCC Regional office (North Central Zone), Lucknow vide letter no: - 8B/UP/06/258/2022/FC/664; on dated 2/11/2022.

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

SL	Stipulated Condition	COMPLIANCE
1	Legal status of the forest land shall remain unchanged.	Agreed, legal status of the Forest Land will not be changed and will remain be the same as it is. May please refer Annexure-1 for undertaking
2	Compensatory afforestation shall be taken up by the Forest Department in an area of 12.00 ha degraded forest land in Compartment / Survey No. 2b of Sahansara (Patli Milan) Block, Range Shakumbhari, Shiwalik Forest Division, Saharanpur at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.	Agreed and complied. The cost of compensatory afforestation as per CA estimate, prepared by the concerned Forest Department amounting Rs. 2831600.00, is already deposited in CAMPA account and it is also updated on https://parivesh.nic.in/ , details of the same is attached as Attachment-1 (Receipt of payment). Based on site specific suitability, species of plants/samplings for CA are to be selected by forest department. May please refer Annexure-2 for undertaking.
3	The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA plantation will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost for works scheduled for subsequent years.	Agreed and complied. Demand notes against CA and NPV amounting Rs.8192862.00 has been issued by DFO Muzaffar Nagar vide letter no.1553/14-1 on dated 11/11/2022. Further, the demand note is approved by NODAL (Forest) Lucknow and deposited in CAMPA account. May please refer Attachment-1 . (Receipt of payment). Also, please refer Annexure-3 for undertaking.
4	The State Government shall charge the Net Present Value (NPV) for the 5.597592 ha. forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1 / 1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009. Revised amount of NPV as applicable as per orders dated 06-01-2022 and 19-01-2022 shall be deposited by User Agency in this regard.	Agreed and complied An amount Rs 5361262.00 against revised NPV calculated by office of DFO Muzaffar Nagar, for 5.597592 ha of diverted forest land is already deposited in CAMPA account, may please refer Attachment-1 . (Receipt of payment). Also, please refer Annexure- 4 for undertaking.

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प्रमाणित निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

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5	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an Undertaking to this effect.	Agreed and will be complied In case additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, User Agency NHAI-PIU Baghpat is agreed to pay. Undertaking for the same is already given in forest land diversion proposal and as compliance of this stage-1 condition, undertaking is attached as Annexure-05
6	User agency shall restrict the felling of trees to 461 trees/minimum numbers in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.	Agreed and will be complied. Keeping in view of working site condition, as much as possible minimum number of trees will be felled for proposed road which are already enumerated and certified by Forest Department. It is already ensured that no extra tree shall be felled other than identified 461 nos. trees. Keeping in view of road user safety, all effort for saving tree will be made during cutting of tree under supervision of the concerned forest department. The cost for tree felling will be deposited with the State Forest Department by the User Agency as per demand note of forest department. May please refer Annexure-6 for undertaking
7	The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.	Agreed and complied Full compliance of FRA, 2006 is ensured prior to award of stage-I approval. FRA certificate is already attached with Forest Land Diversion Proposal. May Please refer Attachment-2 (FRA Certificate of District Collector) Also, please refer Annexure-7 for undertaking
8	No violation of FCA certificate from concerned DFO shall be provided.	This is to state that No violation of FCA-1980 has been committed by User Agency in this project. Certificate from concerned DFO was already submitted with forest proposal at page no. 92 and the same is uploaded on online portal. Again for ready reference, the same is attached for your ready reference as Attachment-3 . (No Violation certificate) also please refer Annexure-8 for undertaking
9	Plantation shall be raised on both sides of the road and median (if available) by the State Forest Department at the cost of User Agency according to IRC guidelines and order passed by NGT in OA no. 27/2015 in the matter of Babulal Jaju v/s State of Rajasthan and others dated 16.11.2015 as per submitted scheme.	Agreed to comply with IRC: SP: 21:2009 guideline as well as Green Highway Policy 2015 for plantation and land scaping applicable in this project. Plantation scheme for this project road is already submitted with Forest Land Diversion Proposal and the same is attached herewith as Attachment-4 May please refer Annexure-9 for undertaking
10	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas	This is to state that there is no Protected Area or area having similar eco-sensitivity along the project road. Strip plantation along the road/crossroad is notified as Protected Forest. Speed regulation signage will also be installed at appropriate location as per IRC guideline (IRC:SP:55:2015 & IRC:SP:67-2012) and also as per suggestions of concerned forest department to aware the drivers and other road users.

1	The user agency shall provide suitable under over pass in Protected Area / Forest Area as per recommendations of CWLW/NBWL/FAC/REC.	May please refer Annexure-10 for undertaking This is to state that there is no Protected Area along the project road. Strip plantation along the road is notified as Protected Forest. Since, there is no protected area or area having similar eco-sensitivity along the project road CWLW/NBWL recommendation is not sought/given. Appropriate number cross structures are already incorporated in design. May please refer Annexure-11 for undertaking.
12	User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act. 1986, if applicable.	This is to confirm that this project road does not attract Environmental Clearance (EC). The EIA notification 14th September 2006 amended, vide notification S.O.2559(E), dated 22nd of August 2013 which reads "Expansion of National Highways greater than 100 km involving additional right of way or land acquisition greater than 40 m on existing alignments and 60 m on re-alignments or by-passes." In purview of this amendment in EIA notification, it is already established that the proposed project does not attract Environmental Clearance (EC) from MoEFCC as the length of project road section is less than 100 km. May please refer Annexure-12 for undertaking
13	The layout plan of the proposal shall not be changed without prior approval of Central Government.	Agreed and will be complied. Layout plan of proposed project will not be changed without permission of Central Government. May please refer Annexure-13 for undertaking
14	No labour camp shall be established on the forest land.	Agreed and will be complied. No unauthorized labour camp /construction yard will be established on diverted Forest land or in nearby forest area. May please refer Annexure-14 for undertaking
15	Sufficient firewood. preferably the alternate fuel. shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.	Agreed and will be complied. For the purpose of cooking, User Agency through construction contractor, commercial LPG will be provided to all construction workers engaged in project. May please refer Annexure-15 for undertaking
16	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost as per the directions of the concerned Divisional Forest Officer.	Agreed and will be complied. Pillar marking with geo-coordinates (both ways backward & forward) at the boundary of forest land diverted, will be done under supervision of forest department. Cost of the same will be borne by user agency (NHAI-PIU Baghpat, Uttar Pradesh). May please refer Annexure-16 for undertaking
17	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	Agreed and noted. It is ensured that no new road/haul road/path will be constructed for travelling or transportation of construction material for project road other than forest land diverted and for which forest clearance accorded. May please refer Annexure-17 for undertaking
18	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.	Not applicable in NHAI project. In this regard Letter of Uttar Pradesh state govt. vide letter no. 35075 op dated 9/01/2013 is attached. Please refer Attachment- 5 . May also, please refer Annexure- 18 for undertaking.

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(पञ्चम) 15/02/23
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मुजफ्फरनगर

	The forest land shall not be used for any purpose other than that specified in the project proposal.	Agreed and will be complied It is ensured that forest land will not be used for any purpose other than the improvement and widening of proposed road project. May please refer Annexure-19 for undertaking
20	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.	Noted and agreed It is ensured that diverted forest land for proposed project will not be transferred to any other agencies, department or individual under any circumstances without prior permission of the Central Government. May please refer Annexure-20 for undertaking.
21	The KML file of the area to be diverted, the CA areas, the proposed SMC work, the proposed Catchment Area Treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details before commencement of works.	Agreed and will be compiled This is to confirm that the KML file of the diverted forest area and the CA areas is already provided to forest department and it will be uploaded on e-greenwatch portal (http://egreenwatch.nic.in). Since, diverted forest land is strip plantation along the existing road, notified as PF land, scope of SMC (Soil and Moisture Conservation) work, the proposed Catchment Area, Treatment area and the WLMP area is very much limited. However, if provisioned by the concerned Forest Department it shall be uploaded on the e-green watch portal with all requisite details, before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval. May please refer Annexure-21 for undertaking
22	Any order of Temporary Work Permission in case of linear projects for tree cutting and commencement of work as per clause 11.2 of FCA Guidelines shall be passed under intimation to Nodal office and this office. Order of Temporary Work Permission have to be uploaded on PARIVESH Portal as well. Nodal Officer will strictly monitor and ensure that no further activity is carried out under such permission after the expiry of one year from the date of issue of such permission.	Agreed and will be compiled. No temporary work will be initiated unless final Forest Clearance is awarded. May please refer Annexure-22 for undertaking
23	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt. 29/01/2018.	Agreed, as of now no violation of Forest conservation Act, 1980 has been committed on this project. User Agency, NHAI-PIU Baghpat, Uttar Pradesh will adhere all the conditions stipulated in stage-1 Forest Clearance of this project. In case any violation reported, User Agency will be fully responsible for it and appropriate action might be initiated. May please refer Annexure-23 for undertaking
24	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection, and development of forests & wildlife.	Agreed, All the conditions/directions issued by MoEF&CC from time to time in the interest of conservation and development of forest & wildlife will be complied. May please refer Annexure-24 for undertaking
25	All the funds received from the user agency under the project shall be transferred/	Noted, the receipt of funds deposited in CAMPA account is attached, please refer Attachment-1 . (Receipt of payment)

(कनक्या प्रदेस)
प्रमाणित वन विभाग
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मुजफ्फरनगर

	deposited to CAMPA fund only through (https://parivesh.nic.in).	and the same will be uploaded on MoEFCC web portal https://parivesh.nic.in/ . May please refer Annexure-25 for undertaking
26	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/)	Noted, the compliance of conditions stipulated in in-principal approval of this project will be uploaded on MoEFCC web portal https://parivesh.nic.in/ . May also please refer Annexure-26 for undertaking

Date: - _____

Place: - Baghpat

Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

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सामाजिक कानूनी प्रभाग
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Annexure -01

Undertaking/Certificates (SI No.- 1 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that, the legal status of forest land diverted for the proposed project will not be changed in future and it will be remain same as it is.

Date: - 08/12/2022

Place: - Baghpat

Project Director
NHAI-PIU Baghpat
Uttar Pradesh

Name: - Sanjay Kumar Mishra
Project Director
National Highway Authority of India
Signature & Seal

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प्रमाणित प्रमाणित
सांख्यिक प्रमाणित प्रमाणित

Annexure -02

Undertaking/Certificates (SI No. 2 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022


This is to undertake that; the compensatory afforestation shall be taken up by the Forest Department in an area of 12 ha. degraded forest land Compartment / Survey No. 2b of Sahansara (Patli Milan) Block, Range Shakumbhari, Shiwalik Forest Division, Saharanpur at the cost of the user agency. The cost of Compensatory afforestation is already deposited in CAMPA account, and it is also updated on <https://parivesh.nic.in/>, details of the same is attached as **Attachment-1** (Receipt of payment). As condition stipulated by RO-MoEF&CC- Lucknow while granting Stage-1, a mixture of local indigenous species will be planted by Forest Department, while avoiding the monoculture of any species.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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प्रशासकीय निदेशक
सहस्रपुराणिक वानिकी प्रभाग
मुजफ्फरनगर

Annexure -2A

Undertaking/Certificates (SI No. 2 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

विषयक प्रस्ताव में इस आशय की वचनबद्धता दी जाती है कि प्रस्तावित क्षतिपूरक वनीकरण स्थल में वन विभाग द्वारा "mixture of local indigenous species will be planted by Forest Department, while avoiding the monoculture of any species." की पद्धति अपनाई जायेगी "

(चुकीया 6/10/2022)
प्रजातीय निदेशक
सामाजिक यानिकी प्रभाग
मुजफ्फरनगर

Annexure -03

Undertaking/Certificates (SI No. 3 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to confirm that as per demand note issued from office of DFO – Muzaffar Nagar, amount against implementation of CA scheme (combinedly with amount against NPV) is already deposited in CAMPA account. Please refer Attachment -1. (Receipt of payment).

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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(संयोजक, कर्मचारी)
महामंत्री, कर्मचारी
सामाजिक कल्याण विभाग
मुम्बई नगर

Annexure -04

Undertaking/Certificates (SI No. 4 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022


This is to confirm that, the amount against NPV calculated by office of DFO Muzaffar Nagar for 5.597592 ha of diverted Forest Land is already deposited (combinedly with amount against CA) in CAMPA account, please refer Attachment -1. (Receipt of payment).

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat


(कन्स्ट्रक्शन सेटल)
प्रमाणित निदेशक
सामाजिक उत्पत्ति प्रमाण
मुम्बई नगर

Annexure -05

Undertaking/Certificates (SI No.-5 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that in case additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, User Agency, NHAI-PIU Baghpat is agreed to pay.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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(Sanjay Kumar Mishra)
प्रमाणित निदेशक
सांख्यिक प्रमाणित प्रमाण
मुद्रांकन

Annexure -06

Undertaking/Certificates (SI No.- 6 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".


Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that; the minimum number of trees will be felled as much as possible for proposed road and it will be ensured that no extra tree shall be felled other than identified **461 trees** enumerated jointly by forest department. Keeping in view of road user safety, all effort for saving tree will be made during cutting of tree under supervision of the concerned forest department.

The cost for tree felling will be deposited with the State Forest Department by the User Agency as per demand note of forest department

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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सामाजिक दायित्व प्रभाग
मुजफ्फरनगर

Annexure -07

Undertaking/Certificates (SI No.- 7 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to confirm and undertake that, the full compliance of FRA, 2006 is ensured prior to award of stage-1 approval. FRA certificate is already uploaded (on Parivesh portal) and attached with Forest Land Diversion proposal. However, for ready reference, FRA Certificate is attached herewith as **Attachment no. - 2 (FRA Certificate of District Collector)**.

Date: - 08/12/2022

Place: - Baghpat

**Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra**

**Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat**

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प्रमाणित निदेशक
सामाजिक वनिकी प्रभाग
मुजफ्फरनगर

Form-I

(for Plantations on non-forest land and notified as "protected forest" on or after 13th December 1930 and located in villages having no recorded Scheduled Tribe Population as per 2001 and 2011 census)

[Rule 6(3) of Forest (Conservation) Rules 2003 as amended up to date]

Government of Uttar Pradesh
Office of District Collector

No. 415/14-15/DF6/M.22 Dated 05/08/2022

TO WHOMSOEVER IT, MAY CONCERN

In compliance of the Rule 6(3) (e) of the Forest (conservation) Rules, 2003 [as amended vide the Forest (Conservation) Amendment Rules 2014, Forest (Conservation) second Amendment Rules 2014, and Forest (Conservation) Amendment Rules 2016, it is certified that 5.597592 hectares of forest land proposed to be diverted in favour of National Highway Authority of India, PIU Baghpat for Improvement to Spur of NH-709AD Muzaffarnagar Bypass from Km. 72+600 of NH-709AD to km 113+450 of NH-334 near Muzaffarnagar town (Design Km 0+000 to Km 10+135)'' in Village – Pinna and Vahalna, Tehsil- Sadar Disst. Muzaffarnagar. In the District falls With in the Jurisdiction of Village – Pinna and Vahalna, Tehsil- Sadar Disst. Muzaffarnagar, having no recorded population of Scheduled Tribes and Other Traditional Forest Dwellers as per Census of India 2001 and 2011. It is further certified that.

- a) The Protected Forest namely Muzaffarnagar- Shamli Road and DRM(Delhi – Roorkee/ Old NH-58/New NH-334) involved in the above villages are plantation raised on non-forest land on or after 13th December 1930 and were notified as PF vide notification no 1115/14-331-50 dated -10.02.1960 .
- b) There fore, these PF neither have residing Scheduled Tribes nor have Other Traditional Forest Dwellers (residing in the PF for more than 75 years) having rights recognized under Forest Rights Act, 2006

(कन्हैया पटेल) Divisional Director
प्रभागीय निदेशक Social Forestry Division
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

1/22-7/22
District Social Welfare Officer
जिला मेमबेरा विभाग
मुजफ्फरनगर।

4
District Collector
Muzaffarnagar

(बिना गुप्त सिंह)
जिलाधिकारी
मुजफ्फरनगर।

CA
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Annexure -08

Undertaking/Certificates (SI No. 8 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that, User Agency NHAI-PIU Baghpat has not committed any violation of FCA-1980. Further, it is also to state that No violation of FCA certificate from concerned DFO was already submitted with forest proposal at page no-92 and the same is uploaded online. The same is attached for your ready reference as **Attachment-3**. (No Violation certificate)

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal Authority of India
PIU-Baghpat

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(कम्प्यूटर प्रमाणित)
प्रमाणित निदेशक
सांख्यिक प्रमाणित प्रमाणित
प्रमाणित निदेशक

Undertaking/Certificates (SI No. 8 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

No Violation Certificate

प्रमाणित किया जाता है कि विषयक प्रस्ताव "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)". में वन संरक्षण अधिनियम 1980 का उल्लंघन नहीं किया गया है।

(कन्वेन्ट) 05/11/22
प्रदेशीय निदेशक
सामाजिक दानिदगी प्रभाग
मुजफ्फरनगर

Annexure -09

Undertaking/Certificates (SI No. 9 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that, User Agency NHAI-PIU Baghpat will comply with IRC: SP:21:2009 guideline as well as Green Highway Policy 2015 for plantation and land scaping applicable to Project.

Further, it is to say that project road is proposed to be upgraded on existing available RoW as well as land acquisition has been provisioned accordingly, scheme for roadside and median plantation is already submitted with forest proposal.

The same is attached for your ready reference as **Attachment-4**. (Avenue & Median Plantation scheme)

Date: - 08/12/2022

Place: - Baghpat

Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal
Authority of India
PIU-Baghpat

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सामाजिक कर्मिणी प्रमाण
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Annexure -10

Undertaking/Certificates (SI No. 10 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".


Online Proposal No: - FP/UP/ROAD/155328/2022

This is to state that there is no Protected Area or area having similar eco-sensitivity along the project road. Strip plantation along the road/crossroad is notified as Protected Forest.

Further, it is to undertake that, all safety measure as per site requirement is already incorporated in design. Based on applicable IRC guideline, IRC: SP: 55- 2015 and IRC: SP: 67-2012, all the informatory board, caution board and warning board will be installed at identified location. Suggestions in this regard may also be sought from concerned forest department (if any).

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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प्रमाणित निदेशक
08/12/2023
सहायक निदेशक प्रमाणित

Annexure -11

Undertaking/Certificates (SI No. 11 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".


Online Proposal No: - FP/UP/ROAD/155328/2022

This is to state that there is no Protected Area or area having similar eco-sensitivity along the project road. Strip plantation along the road/crossroad is notified as Protected Forest. Since, there is no protected area along the project road CWLW/NBWL recommendation is not sought/given.


Further, this is to undertake that as per site requirement, appropriate number of cross structures are already incorporated in design.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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(कमलेश्वर प्रसाद)
प्रभागिक निदेशक
सांख्यिक समिति प्रभाग
मुजफ्फरनगर

Annexure -12

Undertaking/Certificates (SI No. 12 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that this project road **does not** attract Environmental Clearance (EC).


The EIA notification 14th September 2006 amended, vide notification S.O.2559(E), dated 22nd of August 2013 which reads "Expansion of National Highways greater than 100 km involving additional right of way or land acquisition greater than 40m on existing alignments and 60m on re-alignments or by-passes." In purview of this amendment in EIA notification, it is already established that the proposed project does not attract Environmental Clearance (EC) from MoEFCC as the length of project road section is less than 100 km.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat


(कन्हैया लाल)
प्रमाणित निदेशक
राष्ट्रिय राजमार्ग प्राधिकरण
मुजफ्फरनगर

Annexure -13

Undertaking/Certificates (SI No. 13 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that; the Layout plan of proposed project will not be changed without prior permission of Central Government.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

CS
(कन्हैया लाल)
प्रमोदगोय निदेशक
सामाजिक आर्थिक प्रभाग
मुजफ्फरनगर
2023

Annexure -14

Undertaking/Certificates (SI No. 14 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that; the no unauthorized labour camp /construction yard will be established on diverted Forest land or in nearby forest area without approval of forest department.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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(कन्हैया मुखर्जी)
प्रशासकीय निदेशक
राष्ट्रिय राजमार्ग प्राधिकरण
मुजफ्फरनगर

Annexure -15

Undertaking/Certificates (SI No. 15 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that; the Project Authority through Concessionaire/Contractor will insure and provide required quantity of Kerosene oil / Liquified Petroleum Gas to all construction workers for the purpose of cooking during entire period of construction work.

Date: - 08/12/2022

Place: - Baghpat

**Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra**

**Project Director
Signature & Seal Authority of India
PIU-Baghpat**

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प्रमाणित निदेशक
सामाजिक यात्रा निदेशक
मुजफ्फरनगर

Annexure -16

Undertaking/Certificates (SI No. 16 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022


This is to undertake that, the Pillar marking with geo-coordinates at the boundary of forest land diverted for the project will be done under supervision of forest department. The cost of the same will be borne by user agency (NHAI-PIU Baghpat, Uttar Pradesh).

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal
National Highway Authority of India
PIU-Baghpat


(संजय कुमार मिश्रा)
प्रमानीय निदेशक
सांख्यिक जानकारी प्रभाग
मुजफ्फरनगर

Annexure -17


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the no new road/haul road/path will be constructed for traveling or transportation of construction material for project work other than forest land diverted and for which forest clearance accorded.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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सांख्यिक सांख्यिकी प्रभाग
मुजफ्फरनगर

Annexure -18

Undertaking/Certificates (SI No. 18 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to state that this condition is **Not applicable** in NHAI project in Uttar Pradesh. In this regard Letter of Uttar Pradesh state govt. vide letter no. 35075 on Dated 9/01/2013 is attached. May please refer Attachment. - 5.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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18/12/2023
(कन्हैया बटेल)
प्रमोदीय निदेशक
सांख्यिक सांख्यिकी प्रभाग
मुजफ्फरनगर

Annexure -19

Undertaking/Certificates (SI No. 19 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the forest land will not be used for any purpose other than specified in the Forest Land Diversion Proposal which is improvement and widening of existing road and for which Forest clearance is accorded.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highways Authority of India
Signature & Seal
PIU-Baghpat

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10/12/2023
(कन्हैया ठाकुर)
प्रभागीय निदेशक
सांख्यिक वित्त विभाग
मुंबई

Annexure -20

Undertaking/Certificates (SI No. 20 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the diverted forest land for proposed project will not be transferred to any other agencies, department or individual under any circumstances without prior permission of the Central Government.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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(कन्हैया ठाकुर)
प्रशासीय निदेशक
राज्यीय सड़क प्राधिकरण
मुजफ्फरनगर

Annexure -21

Undertaking/Certificates (SI No. 21 of Stage-1 condition)

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".


Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the KML file of the diverted forest area and the CA areas is already provided to forest department and it will be uploaded on e-greenwatch portal (<http://egreenwatch.nic.in>). Since, diverted forest land is strip plantation along the existing road, notified as PF land, scope of SMC (Soil and Moisture Conservation) work, the proposed Catchment Area, Treatment area and the WLMP area is very much limited.

However, if provisioned by the concerned Forest Department it shall be uploaded on the e-green watch portal with all requisite details, before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal Authority of India
PIU-Baghpat

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प्रमाणित निदेशक
सामाजिक शान्ति प्रभाग
मुजफ्फरनगर
05/01/2023

Annexure -22

Undertaking/Certificates (SI No. 22 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that, no temporary work permission is required, civil work will only be initiated once final Forest Clearance is awarded and permission of trees felling is obtained.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal
National Highway Authority of India
PIU Baghpat

CS
(कन्हैया पटेल)
प्रमाणित निदेशक
सांख्यिक माहिती प्रभाग
05/01/2023

Annexure -23

Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".


Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that, as of now no violation of Forest conservation Act, 1980 has been committed on this project.

User Agency NHAI-PIU Baghpat, Uttar Pradesh will adhere all the conditions mentioned in stage-1 Forest Clearance of this project. In case any violation reported, User Agency will be fully responsible for it and appropriate action might be initiated.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
Signature & Seal
National Highway Authority of India
PIU-Baghpat

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प्रशासकीय निदेशक
राज्यीय राजमार्ग विकास
मुजफ्फरनगर

Annexure -24

Undertaking/Certificates (SI No. 24 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that all the conditions/directions issued by MoEF&CC from time to time in the interest of conservation and development of forest & wildlife will be complied in full respect.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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प्रशासकीय निदेशक
सांख्यिकीय प्रशासकीय विभाग
मुंबई

Annexure -25

Undertaking/Certificates (SI No. 25 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the payment against NPV and CA is already deposited and receipt of the same is attached please refer **Attachment-1**. (Receipt of payment) and the same will be uploaded on MoEFCC web portal <https://parivesh.nic.in/>.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
Signature & Seal
PIU-Baghpat

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Annexure -26

Undertaking/Certificates (SI No. 26 of Stage-1 condition)


Name of the Project: "Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)".

Online Proposal No: - FP/UP/ROAD/155328/2022

This is to undertake that the compliance of conditions stipulated in in-principal/stage-1 approval of this project will be uploaded on MoEFCC web portal <https://parivesh.nic.in/>.

Date: - 08/12/2022

Place: - Baghpat


Project Director
NHAI-PIU Baghpat
Uttar Pradesh
Name: - Sanjay Kumar Mishra

Project Director
National Highway Authority of India
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08/12/2022
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उत्तर प्रदेश

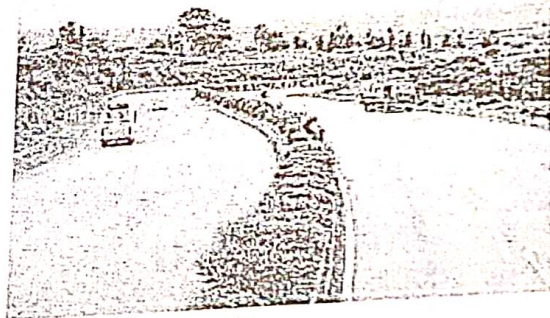
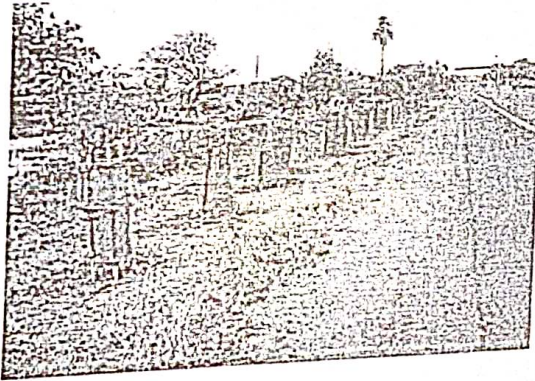
Avenue & Median Plantation Scheme

Name of Project: - Improvement to Spur of NH-709AD Muzaffarnagar Bypass from km 72+600 of NH-709AD to Km 113+450 of NH-334 near Muzaffarnagar town (Design km 0+000 to Km 10+135)

Online Proposal No; - FP/UP/ROAD/155328/2022

Area of Forest Land Diversion: - 5.597592 hectare

Length of Project Road: - 10.135 Km



Sanjay Kumar Mishra
Project Director
Project Implementation Unit
Baghpat, Uttar Pradesh.

Signature: -

21/9/24
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Seal: -

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Plantation Scheme

1. Introduction

To compensate the ecological loss for felling of trees, development of aesthetic values and enhancement microclimatic conditions, about 1,58,080 nos. of trees will be planted with in the PRow of project road. Avenue and median plantation will be carried out as per IRC SP: 21 2009 and National Green Highways Policy 2015. The project road for which Plantation scheme is prepared is located in District Muzaffarnagar, Uttar Pradesh. Total length of project road is 10.135 km, traverse predominantly through Agricultural and settlement area.

2. Objectives of the Project:

The main objectives of planting along the project road are as follows: -

- For aesthetic enhancement of the project road by planting selective ornamental trees, median plantation with ornamental shrubs and turfing with grasses.
- To reduce the impacts of air pollution and dust as trees and shrubs are known to be natural sink for air pollutants.
- To provide much needed shade on glaring hot roads during summer.
- To reduce the impact of ever-increasing noise pollution caused due to increase in number of vehicles.
- To arrest soil erosion at the embankment slopes.
- Prevention of glare from the headlight of incoming vehicles.
- Moderating the effect of wind and incoming radiation

3. Average width available for avenue plantation:

Project road is existing spur road (Muzaffarnagar- Shamli Bypass) connecting two existing national highway i.e 709 AD and NH334 to bypassing the existing traffic without entering Muzaffarnagar Town. Existing RoW between 35.5 (on stretch of 709 AD & NH334) to 45.5 meter on Muzaffarnagar -Shamli Bypass Road. Since, limited land acquisition is done single row plantation is proposed on both side along the project road.

4. Average width available for median plantation:

Average width available for median plantation is 3.5 m.

The area of plantation in median and avenue has been presented in Table 1 below.

Table 1: Details of Median & Avenue Plantation

Details of Median and Avenue Plantations									
SL	Type of Plantation	Length (Km)		Length (m)	Width kept for plantation (m)	Plant to Plant distance (m)	No. of row	Total no. of plant to be planted	Remarks
		From	To						
1	Median	0+00	1+400	1400	2.00	3	1	466	All through the road length, onsite plantable length is estimated 9635m as approx. 500 meter road length will be

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									under median opening, junction ect.
2	Median	1+400	9+300	7900	7.0	3	2	5266	
3	Median	9+300	9+400	100	0	0	0	0	Junction Area
4	Median	9+400	10+135	735	2.0	3	1	245	
		Total median plantation						5977	
2	Avenue	0+000	1+400	1400	2.5 m both side	8	1+1	350	4 Lane divided carriageway road with both side paver block including covered drain
		1+400	2+440	1040	0	0	0	0	Approaches to LVUP and VUP
		2+440	3+160	720	2.5 m both side	8	1+1	180	Concentric widening 4 Lane to 4 Lane Paved Shoulder
		3+160	4+680	1520	0	0	0	0	Approaches to LVUP and VUP
		4+680	7+260	2580	2.5 m both side	8	1+1	645	Concentric widening 4 Lane to 4 Lane Paved Shoulder
		7+260	7+620	360	2.5 m	8	1	45	Widening on RHS 4 lane
		7+620	8+840	1220	0	0	0	0	Approaches to LVUP and VUP
		8+840	9+320	480	2.5 m both side	8	1+1	120	Concentric Widening 4-4 Lane with Service Road
		9+320	10+157	837	2.5 m both side	8	1+1	210	Concentric Widening 2-4 Lane with Service Road
Total number of Avenue Plantation		= 1550							
Total number of Median Plantation		= 5977							
Total Plantation=		7527.							

5. Plantation Layout Plan and Pits digging:

Although multiple row of plantation is advisable for better protection against soil erosion and water purification but due to constrain in space as well as significant part of road section is traverse through populated area, single row avenue plantation is proposed. However, median plantation is proposed in 2 row all through the project road length. Median plantation is to be done in staggered manner. The plantation layout plan has been shown in Figure 1 below.

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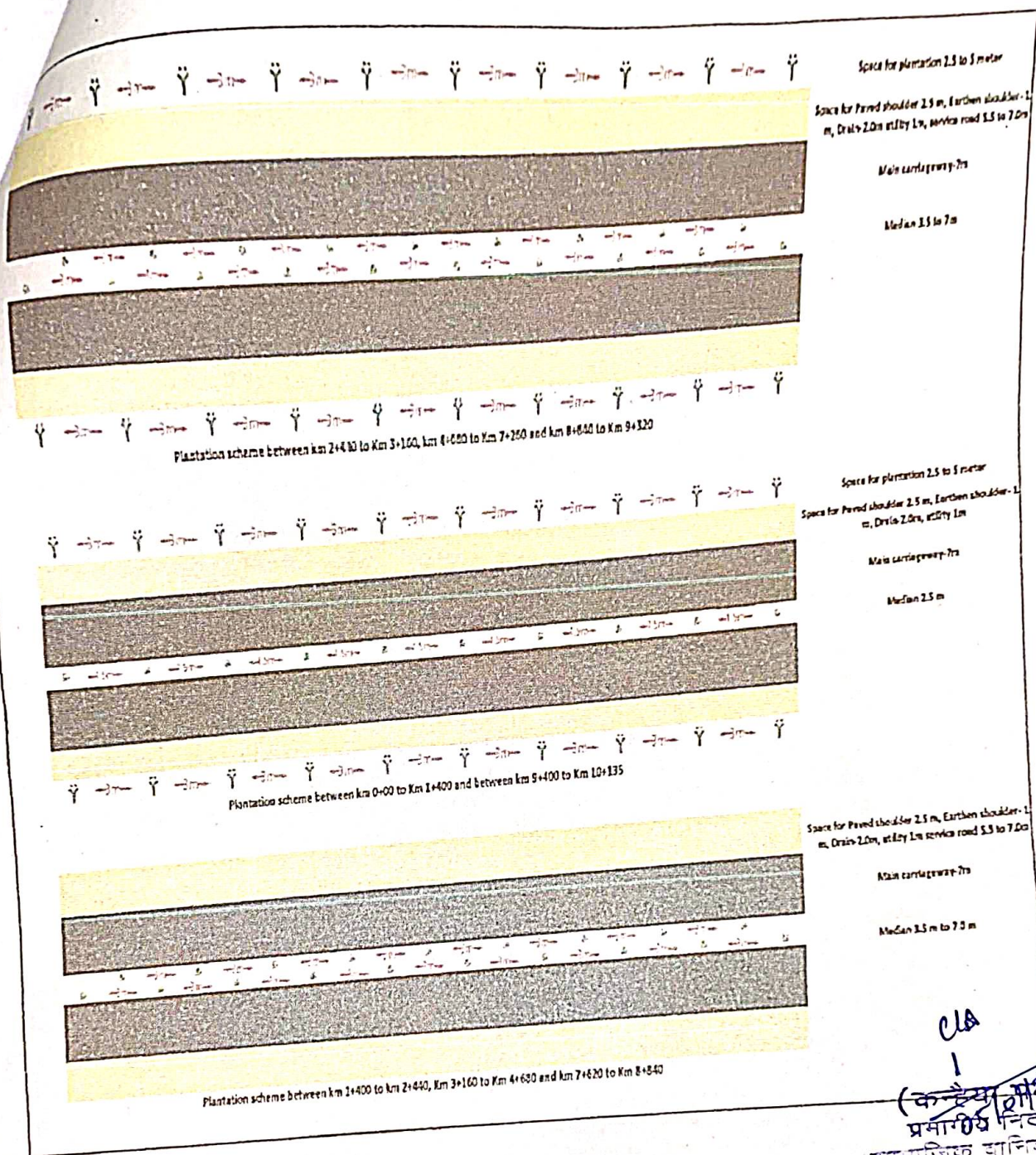


Figure 1: Plantation Layout Plan

6. Technical Specifications

The technical specifications specified here are proposed and during execution of project the concerned DFO may suggest for some modification as per site condition or condition stipulated in In-principal approval of Forest Clearance. The site-specific project report shall prescribe plantation pattern based on actual site conditions. The technical specifications of ornamental/flowering plants (Row I) have been presented in Table 2.

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Table 2: Technical Specifications of Ornamental/ Flowering Plants

Distance from embankment	1m away from the toe of embankment
Spacing between plant to plant	1m in case of median plantation Avenue plantation is proposed in single row.
Canopy Shape & Size	Preferable Cylindrical/oblong with small CSN having vertical canopy growth.
Spacing between rows	4.5 m or 15 ft
Size of the pits (normal soil)	60 X 60 X 60 cm
No of plants per Km for median	333 x 2 = 666
No. of plants per km for avenue	125 x 2 = 250
Height of the plant	1.5 m to 2 m

7. Species Planned for median Plantation:

The shrubs to be planted in the median shall be of low or medium height for prevention of the headlight glare. Two rows of flowering shrubs have proposed as in general median width is 3.5 meter. However, in sections (at location of median opening, junction) where the median width is less than 1.5 m, only grasses turf has been proposed. Some herbaceous species may also be planted as ground cover, not only on the medians but on special landscapes and embankment slopes also.

In median width of less than 3 meters one row of shrub whereas in 3.5 to 4.0 m median width, plantation of two rows of flowering shrubs at a spacing of 1.5 m and atleast .75 to 1 m from the inner edge is proposed. The plants shall be at spacing of 3 X 3 m and size of the pits for planting shall be 0.6 m dia and deep.

The surface for the median plantation shall be well prepared. The masses of loose debris on the median and any convexities shall be removed and similarly any concavities are to be filled with good soil. The surface shall have sufficient layer of good quality soil so as to have a better growth and survival of grasses and shrubs. As the length of project road is only 10.135 km, limited variety of shrubs and avenue plants are proposed to maintain landscaping. Species recommended for median plantation has been presented in Table 3 below.

Table 3: Species Proposed for Median Plantation

S. No.	Botanical Name	Common Name
1.	<i>Bougainvillea spectabilis</i>	Great Bougainvillea
2.	<i>Tecoma stans</i>	Yellow elder

8. Species Planned for 1st Row of Avenue Plantation:

First row of plantation along the project road have been worked out based on the land availability within the ROW. Based on the Agro-climatic zone and climatic conditions following tree species as presented in Table 4 may plant.

Table 4: Species Recommended for 1st Row of Avenue Plantations

S. No.	Botanical Name	Local Name	Recommendation
1.	<i>Bauhinia variegata</i>	Kachnar	<i>Polyalthea longifolia</i> (Ashok) trees

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material from roughages or fodder fed to the cattle. On an average welldecomposed farmyard manure contains 0.5 per cent N, 0.2 per cent P_2O_5 and 0.5 per cent K_2O . Urine, which is wasted, contains one per cent nitrogen and 1.35 per cent potassium.

c. Watering Plan:

Watering in avenue as well as median plantations need at least periodic watering during the first growing season to obtain a satisfactory survival rate. Watering will begin after the cessation of rains, when the moisture content of the soil has fallen to near the wilting coefficient; then watering should be repeated at intervals until the onset of the next rainy season. Before each watering, the area around the tree will be cleared of weeds, and a shallow basin should be made around the stem of each tree or shrub to collect as much water as possible. In some instances, regular cultivation and weeding, especially during the first growing season, are sufficient measures to conserve soil moisture for satisfactory survival of the plants, eliminating the need for watering. Since, length of project road is only 10.135 km, watering for proposed plantation can be easily done through water tanker from available surface water sources such as canal located at km 6+960.

d. Plantation Protection Plan:

Once a plantation has been established, the work shall not be considered finished. It will be necessary to protect the plantation against weather, fire, insects, fungi, and animals. A variety of cultural treatments also may be required to meet the purpose of the plantation.

e. Fire:

Damage by fire imposes a serious threat to plantations. The fire risk is generally high in the dryer climatic regions; but, even in relatively moist or high rainfall areas, there may be warm and dry spells when the fire risk is high. Fire risk has been considered a major consideration from the early stages of plantation development.

f. Insects and fungi:

Most insects and fungi are selective of the host species. In their natural environment, trees and shrubs normally attain a state of equilibrium with indigenous pests. However, when exotic trees and shrubs are planted, exotic pests can also be introduced. Quite often, these exotic pests readily adapt themselves to the conditions of their new habitat. In general, the risk of damage from pests is higher when the plants are physiologically weakened from planting on unsuitable sites, improper site preparation, inefficient planting, adverse climatic conditions, or neglect of weeding and other maintenance operations. The main precautions to be taken in guarding against possible future damage from insects and fungi are to plant tree or shrub species that are suitable to the climatic and soil conditions of the site.

Insects and fungi can often be checked by applications of appropriate chemical insecticides or fungicides. Usually, these chemicals are available as liquids (or wettable powder), dusts, or smokes. Spraying with hand-operated spray guns or portable mist-blowers is frequently used to control attacks in young plantations; with canopy closure, aerial spraying and dusting or smoking can be more effective and cheaper. Only previously tested and environmentally sound insecticides and fungicides should be prescribed for use.

g. Wild animals:

Damage to avenue plantations by wild animals mainly takes the form of tree browsing or de-barking. In general, there are three orders of wild animals responsible for damage: rodents (rats, mice, and moles and squirrels); lagomorphs (hares and rabbits); and artiodactyls (pigs and buffaloes). The principal method of controlling damage by wild animals involves the use of fences, hedges or ditches, trapping and removal, and poison baits. However, within 10 km either side of project road there is no Wildlife area, so chance of damaging plant by wild animal is much low.

h. Domestic animals:

Grazing or browsing by sheep, goats and cattle can be a menace to young plantations. At times, hedges and fences are used to prevent intrusion by domestic animals. Where fencing costs are high, trespass by livestock can be controlled by guards.

The fencing of single row plantation is generally done by using iron/bricks/cement guards. Under this plantation scheme, locally available bamboo/ wooden and iron guards are proposed to ensure the protection of avenue plant. The description

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मुम्बई

21/7/22
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पी.आई.यू.-बागपत/P.I.U.-Baghat

and specification for the iron guards as per IRC: SP: 21-2009 are given below:

i. **Barbed Wire fencing:**

The fencing of multiple rows plantations will be done preferably by barbed wire. five strands barbed wire fencing, with cross strands, stretches on angle iron is recommended. Live fencing/ bamboo fencing/thorn fencing may be used where protection can be ensured through them.

As per site condition the barbed wire fencing is the most suitable and cost effective option recommended for protection of plantation.

10. Benefit of tree plantation in terms of Greenhouse effect

Trees help by removing (sequestering) CO₂ from the atmosphere during photosynthesis to form carbohydrates that are used in plant structure/function and return oxygen back into the atmosphere as a byproduct. Roughly half of the greenhouse effect is caused by CO₂. Therefore, trees act as carbon sinks, alleviating the greenhouse effect. On average, one acre of new forest can sequester about 2.5 tons of carbon annually. Young trees absorb CO₂ at a rate of 5.9 kg per tree each year. Trees reach their most productive stage of carbon storage at about 10 years at which point they are estimated to absorb 21.8 kg of CO₂ per year.

Trees also reduce the greenhouse effect by shading houses and office buildings. This reduces the need for air conditioning by up to 30 percent which in turn reduces the amount of fossil fuels burned to produce electricity. The combination of CO₂ removal from the atmosphere, carbon storage in wood and the cooling effect makes trees extremely efficient tools in fighting the greenhouse effect. Planting trees remains one of the most cost-effective means of drawing excess CO₂ from the atmosphere.

11. Abstract of estimated project cost:

The abstract of estimated cost of plantation including 5 years of maintenance is presented in Table 5 below:

Table 5: Cost of Plantation

S. No.	Type of Plantation	Unit cost of Plantation (Rs.)	Number of Plants	Cost (Rs.)
1.	Avenue Plantation	3000	1550	4650000.00
2.	Median Plantation	1200	5977	7172400.00
Total			7527	11822400.00
In word; One crore eighteen lakhs twenty-two thousand four hundred only.				

-----End-----

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संख्या- 50/14-2-2013
जलजल, दिनांक, 12/11/13
जनवरी 2013

35.07.13

12/11/13

कार्यालय-ज्ञाप

Encl.-5

वन (संरक्षण) अधिनियम-1980 की धारा-2 के अनुसार वनभूमि पर किसी भी प्रकार का गैर वानिकी कार्य भारत सरकार, राज्य सरकार एवं वन मंत्रालय की बिना पूर्वानुमति के नहीं किया जा सकता है। इन मामलों में भारत सरकार से उक्त अधिनियम के तहत वन अनुमति वनभूमि का गैर वानिकी प्रयोग नहीं किया जा सकता है। इन मामलों में भारत सरकार से उक्त अधिनियम के तहत वनभूमि के गैर वानिकी उपयोग करने की स्वीकृति प्राप्त होने के उपरान्त वनभूमि के गैर वानिकी प्रयोग के आदेश जारी किये जाने के सम्बंध में कार्यालय-ज्ञाप संख्या-मं0-666/14-2-600 (51)/1999, दिनांक 19 जुलाई, 1999 के प्रस्तर-1 में प्राविधानित व्यवस्था निम्नवत् है :-

(1)- चूंकि वन विभाग स्वयं एक सेवा विभाग है, अतः किसी दूसरे सेवा विभागों को वनभूमि का हस्तान्तरण वित्त विभाग के कार्यालय ज्ञाप संख्या: ए-2/75/दस-77/14(4)/74, दिनांक: 3-2-1977 द्वारा प्रतिनिधित्व अधिकारों के अनुसार वनभूमि निःशुल्क हस्तान्तरित किये जाने के आदेश मा0 वन मंत्री जी के अनुमोदन के उपरान्त जारी किये जाते हैं। ऐसे मामलों में वित्त विभाग की सहमति की आवश्यकता नहीं होती है।

राज्य सरकार के विभिन्न गैर सेवा विभागों (वाणिज्यिक भारत सरकार के विभागों को वनभूमि का हस्तान्तरण वर्तमान बाजार दर पर मूल्य प्राप्त करके किया जाता है और आदेश वित्त विभाग की सहमति से जारी किये जाते हैं।

(3)-प्रदेश सरकार के विभिन्न उपक्रमों (यथा-उ0प्र0 वन निगम, उ0प्र0य0अधि0प0आदि) तथा भारत सरकार के विभिन्न उपक्रमों (यथा-एन0टी0पी0सी0, एन0 एव0 पी0सी0 एवं पावर ग्रिड कारपोरेशन आफ इंडिया आदि) एवं विभिन्न गैर सरकारी संस्थानों को वनभूमि का हस्तान्तरण वन विभाग द्वारा जारी शासनादेश दिनांक 2-7-1979 के अनुसार वर्तमान बाजार दर पर मूल्य (प्रीमियम) व उसके 10 प्रतिशत घनराशि के बराबर वार्षिक लीज रेन्ट के भुगतान के आधार पर किया जाता है तथा आदेश वित्त विभाग की सहमति से जारी किये जाते हैं।

(क. नै. यु. म. ले.)
प्रमाणित निदेशक
सामाजिक वानिकी प्रभाग
12/11/13

2- उक्त कार्यालय त्वाप दिनांक 19-7-99 को सं. 0 नं. 10 दिनांक 07-01-2013 में पारित आदेशों के अनुपालन के आंशिक संशोधन किया जाता है :-

"भारतीय, राष्ट्रीय राजमार्ग प्राधिकरण को कार्यालय-त्वाप दिनांक 19-7-1999 के प्रसार-1(3) के अनुसार बाजार दर पर 'मूल्य' (प्रीमियम) व उसके 10 प्रतिशत घनराशि के बराबर वार्षिक लीज रेंट के भुगतान के प्राधिकरण से पूरा प्रदान किया जाता है।"

3- उक्त के अतिरिक्त कार्यालय-त्वाप संख्या- सं. 0-666/14-2-600 (51)/1999, दिनांक 19 जुलाई, 1999 यथावत् रहेगा।

सी. 0 एन. 0 नं. 0
प्रमुख सचिव

संख्या व दिनांक तदैव

प्रतिलिपि निम्नलिखित को सूचनाएं एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- 1- प्रमुख सचिव, वित्त विभाग, उ. 0 प्र. 0 शासन।
- 2- सचिव, वित्त (व्यय-नियंत्रण) उ. 0 प्र. 0 शासन।
- 3- प्रमुख सचिव, लोक निर्माण विभाग, उ. 0 प्र. 0 शासन।
- 4- प्रमुख वन संरक्षक, उ. 0 प्र. 0 लखनऊ।
- 5- प्रमुख निदेशक, उ. 0 प्र. 0 वन विभाग, लखनऊ।
- 6- वित्त (व्यय-नियंत्रण) अनुभाग-9, उ. 0 प्र. 0 शासन।
- 7- गोपन अनुभाग को उनके अशासकीय पत्र संख्या- 1/2013-सी. 0 एन. 0 (1), दिनांक 07-01-2013 के संदर्भ में।
- 8- गार्ड फाइल।

आज्ञा के
संलग्न
संलग्न

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(कनैया सुतोस)
प्रमाणित निदेशक
सामाजिक वानिजी प्रभाग
मुंबई