

कार्यालय वन संरक्षक/क्षेत्रीय निदेशक, सहारनपुर वृत्त, सहारनपुर।
पत्रांक 2714 / 14-10 (FP/UP/Road/43253/2019-FCA) सहारनपुर दिनांक 03.04.2024

सेवा में,

मुख्य वन संरक्षक/नोडल अधिकारी,
 उ०प्र०, लखनऊ।

विषय:-

जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन०एच०-119, जनपद मुजफ्फरनगर के अन्तर्गत कि०मी० चैनैज 48.400 से कि०मी० 66.500 तक 27.7284 हे० संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि०मी० चैनैज 66.500 से 78.635 तक 11.1230 हे० संरक्षित वन भूमि अर्थात् कुल-38.8514 हे० संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के संबंध में।

संदर्भ:-

भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय मध्य का पत्रांक-8बी०/यू०पी०/०6/265 /2021/एफ०सी०/300 दिनांक-16.08.2023, तथा प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर का पत्रांक 2916/14-1(FP/UP/ROAD/43253/2019/FCA) दिनांक 30.03.2024

महोदय,

विषयांकित प्रकरण में भारत सरकार के उक्त संदर्भित पत्र दिनांक 16.08.2023 द्वारा सैद्धान्तिक अनुमति निर्गत की गयी, जिसमें अधिरोपित शर्तों, की समेकित अनुपालन आख्या प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर के उक्त संदर्भित पत्र दिनांक 30.03.2024 द्वारा इस कार्यालय को प्रेषित की गयी, जिसके कम में सैद्धान्तिक अनुमति दिनांक 16.8.2023 की शर्तों की अनुपालन आख्या निम्नानुसार प्रेषित है:-

Sl.	Stipulated Condition	COMPLIANCE																																				
1	Legal status of the forest land shall remain unchanged.	NHAI undertake that, Legal status of the forest land will remain unchanged. (Annexure-1)																																				
2	Compensatory afforestation shall be taken up by the Forest Department in an area of 96.00 ha. (DFL) degraded forest land in District Mirzapur & Saharanpur at the cost of the User Agency. As far as practicable a mixture of local indigenous species will be planted and monoculture of a species has to be avoided. The details of area for CA is as follows:- <table><tr><th>S. NO.</th><th>Details of CA</th><th>CA proposed in Area (Ha)</th><th>Name of Forest Division</th></tr><tr><td>1-</td><td>Lalganj Compartment No.3, Range Lalganj, District Mirzapur.</td><td>17.00 (DFL)</td><td>Mirzapur Division District Mirzapur</td></tr><tr><td>2-</td><td>Bela Compartment No.6, Range Madihan, 23.00 (DFL)</td><td>23.00 (DFL)</td><td></td></tr><tr><td></td><td>Badshahibagh-IA.Part-I, RangeBadkala,District Saharanpur.</td><td>10.00 (DFL)</td><td>Shiwalik Forest District Saharanpur.</td></tr><tr><td></td><td>Badshahibagh-IA.Part-II, RangeBadkala,District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Khajnawar-2A. Part-II, Range Mohand, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Khajnawar-2A.Part-III, Range Mohand,District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Sahansara-2B, Part-5 (Patri Milan). Range Shakumbhari, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Sahansara-2B, Part-6 (Patri Milan). RangeShakumbhari, District Saharanpur</td><td>06.00 (DFL)</td><td></td></tr></table>	S. NO.	Details of CA	CA proposed in Area (Ha)	Name of Forest Division	1-	Lalganj Compartment No.3, Range Lalganj, District Mirzapur.	17.00 (DFL)	Mirzapur Division District Mirzapur	2-	Bela Compartment No.6, Range Madihan, 23.00 (DFL)	23.00 (DFL)			Badshahibagh-IA.Part-I, RangeBadkala,District Saharanpur.	10.00 (DFL)	Shiwalik Forest District Saharanpur.		Badshahibagh-IA.Part-II, RangeBadkala,District Saharanpur.	10.00 (DFL)			Khajnawar-2A. Part-II, Range Mohand, District Saharanpur.	10.00 (DFL)			Khajnawar-2A.Part-III, Range Mohand,District Saharanpur.	10.00 (DFL)			Sahansara-2B, Part-5 (Patri Milan). Range Shakumbhari, District Saharanpur.	10.00 (DFL)			Sahansara-2B, Part-6 (Patri Milan). RangeShakumbhari, District Saharanpur	06.00 (DFL)		Compensatory afforestation will be taken up by the Shiwalik and Mirzapur Forest Division in an area 96.00 ha degraded forest land at the cost of the user agency. As far as possible, a mixture of local indigenous species will be planted and monoculture of a species has to be avoided. (Annexure-2, 2a)
S. NO.	Details of CA	CA proposed in Area (Ha)	Name of Forest Division																																			
1-	Lalganj Compartment No.3, Range Lalganj, District Mirzapur.	17.00 (DFL)	Mirzapur Division District Mirzapur																																			
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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 will be maintained for 10 years. The scheme will be for plantation and may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	NHAI Meerut has deposited of Rs-2,32,57,599/- for the compensatory afforestation in CAMPA fund, through challan Rs.-30,31,87,673/- dated -02-02-2024 (copy of online payment history made by user agency under the CAMPA enclosed), (RTGS:E VIDE Transaction UTR No. INDBR32024020200107938 Bank Name: Union Bank Of India,CAMPA FUND.(Annexure-3)																																				

4	The State Government shall charge the Net Present Value (NPV) for the 38.8514 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 date 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in 1A 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 in this regard. Revised amount of NPV as applicable as per order dated 06-01-2022 and 19-01-2022 shall be deposit by user agency in this regards.	NHAI Meerut has deposited the Net Present Value (NPV) of Rs- 27,99,30,074 /- for the Net Present Value (NPV) the diversion of 38.8514 ha. Forest area in Protected Forest land and 66.54 ha. Non Forest land in Hastinapur Wildlife Sanctuary, in CAMPA fund, through challan Rs. 30,31,87,673/- dated 02-02-2024 (copy of online payment history made by user agency under the CAMPA enclosed), (RTGS: E VIDE Transaction UTR No. INDBR 32024020200107938 Bank Name: Union Bank Of India, CAMPA FUND. (Annexure-4)
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.	NHAI Meerut undertakes that 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 will be charged by the State Government from the User Agency. The User Agency will furnish an undertaking to this effect. (Annexure-5)
6	User agency shall restrict the felling of 9630 trees/minimum number 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 tress shall be deposited by the User Agency with the State Forest Department.	NHAI Meerut undertakes that User agency will restrict the felling of trees to 9630 Trees/minimum number in the diverted forest land and the trees will be felled under the strict supervision of the State Forest Department and the cost of felling of tress will be deposited by the User Agency with the State Forest Department. (Annexure-6)
7	The Complete Compliance of the FRA 2006 shall be ensured by way of prescribed certificate from the concern District Collector.	NHAI Meerut undertakes that the Complete Compliance of FRA 2006 has been completed to ensured by way of prescribed certificate from the concern District Collector Muzaffarnagar & Bijnore. (Annexure-7, 7a, 7b) A copy of FRA certificate enclosed
8	The Clearance of Standing Committee of National Board of Wild Life shall be submitted before the Final approval. No works shall be carried out in Forest land without approval of SCNBWL. Also an undertaking needs to be submitted by User agency that if clearance of SCNBWL is not accorded. then alignment shall be changed to avoid Protected Area.	NHAI Meerut undertakes that the Clearance of Standing Committee of National Board of Wild Life will be submitted before the final approval. No works will be carried out in Forest land without approval of SCNBWL and if clearance of SCNBWL is not accorded, then alignment will be changed to avoid Protected Area. (Annexure-8)
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 as per submitted scheme 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.	NHAI Meerut undertakes that Plantation will be raised on both sides of the road and median (if available) by them. At the cost of NHAI as per submitted scheme 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. (Annexure-9)
10	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas.	NHAI Meerut undertakes that Speed regulating signage will be erected along the road at regular intervals in the Protected Areas/ Forest Areas. (Annexure-10)
11	The user agency shall provide suitable under/over pass in Protected Area/ Forest Area as per recommendations of CWLW/NBWL/FAC/REC.	NHAI Meerut undertakes that they will provide suitable under/ over pass in Protected Area/ Forest Area as per recommendations of CWLW/NBWL/FAC/REC. (Annexure-11)
12	User Agency shall obtain Environmental Clenrance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.	NHAI Meerut undertakes that Environmental Clenrance as per the provisions of the Environmental (Protection) Act, 1986, not applicable in this Project. (Annexure-12)
13	The layout plan of the proposal shall not be changed without prior approval of Central Government.	NHAI Meerut undertakes that the layout plan of the proposal will not be changed without prior approval of Central Government.(Annexure-13)

14	No labour camp shall be established on the forest land.	NHAI Meerut undertakes that, no labour camp will be established on the forest land. (Annexure-14)
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.	NHAI Meerut undertakes that sufficient firewood, preferably the alternate fuel, will 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. (Annexure-15)
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.	NHAI Meerut undertakes that the boundary of the diverted forest land will be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer. (Annexure-16)
17	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	NHAI Meerut undertakes that no additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work. (Annexure-17)
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.	NHAI Meerut undertakes that this condition is not applicable in NHAI project in UP, in this regard letter of UP State Govt. vide letter no. 35075 on dated 9-1-2013 is attached (Annexure-18)
19	The forest land shall not be used for any purpose other than that specified in the project proposal.	NHAI Meerut undertakes that the forest land will not be used for any purpose other than that specified in the project proposal. (Annexure-19)
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.	NHAI Meerut undertakes that the forest land proposed to be diverted will under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India. (Annexure-20)
21	The kml file of the area to be diverted, CA Areas, the proposed SMC work, 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 work.	NHAI Meerut and DFO Muzaffarnagar undertakes that the kml file of the area to be diverted & CA Areas the proposed SMC work, proposed Catchment Area Treatment area and the WLMP will be uploaded on the e-Green watch portal with all requisite details before commencement of work. (Annexure-21, 21a)
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.	DFO Muzaffarnagar undertakes that 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 will be passed and will be intimated to the Nodal office as per rules, order of temporary work permission will be uploaded on PARIVESH Portal as per rules as well. (Annexure-22, 22a)
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 date 29/01/2018.	NHAI Meerut agrees that violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEFF & CC Guideline F. No. 11-42/2017-FC date 29/01/2018 as applicable to the project. (Annexure-23)
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.	NHAI Meerut agrees to comply with 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. (Annexure-24)
25	All the funds received from the user agency under the project shall be transferred/deposite to CAMPA fund only through e-	All the funds received from the user agency under the project will be transferred/ deposited



	portal (https://parivesh.nic.in/).	to CAMPA fund only through e-portal (https://parivesh.nic.in/). As demands by Concern DFO Muzaffarnagar vide his letter no 1508/14-1 dated 23-11-2023, NHAI Meerut has deposited in CAMPA fund, through challan Rs.- 30,31,87,673/- dated 02-02-2024 (copy of online payment history made by user agency under the CAMPA enclosed), (RTGS:E VIDE Transaction UTR No. INDBR32024020200107938 Bank Name: Union Bank Of India,CAMPA FUND. (Annexure-25,25a)
26	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/).	User agency certify that the compliance report shall be uploaded on e-portal (https://parivesh.nic.in/). (Annexure-26)

Total CA amount deposited	Rs.- 2,32,57,599 .00
Difference in amount	-
Reason for difference	-
Total NPV amount deposited	Rs.- 27,99,30,074.00
Difference in amount	-
Reason for difference	-
Total any other amount deposited-	-
Grand Total Amount deposited	Rs.- 30,31,87,673.00
CAMPA confirmation	Yes (Online payment history enclosed)

अतः विषयांकित वन भूमि हस्तान्तरण प्रस्ताव के सम्बन्ध में, भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय लखनऊ के पत्रांक-8बी0/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक-16.08.2023, द्वारा अधिरोपित शर्तों की अनुपालन आख्या, प्रयोक्ता अभिकरण द्वारा प्रस्तुत एवं प्रभागीय निदेशक, सा0वा0प्रभाग, मुजफ्फरनगर एवं बिजनौर द्वारा प्रतिहस्ताक्षरित वचनबद्धता प्रमाण पत्र संलग्न कर इस अनुरोध के साथ प्रेषित है कि प्रकरण में विधिवत् स्वीकृति निर्गत कराने की कृपा करें।

संलग्नक- उपरोक्तानुसार

भवदीय,
(एन0के0जानू)
मुख्य वन संरक्षक
प्रभारी वन संरक्षक, सहारनपुर वृत्त,
सहारनपुर।

पत्रांक 2714/14-10 (FP/UP/Road/43253/2019-FCA) दिनांकित।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

- 1- वन संरक्षक/क्षेत्रीय निदेशक, मुरादाबाद वृत्त, मुरादाबाद।
- 2- प्रभागीय, निदेशक, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर।
- 3- परियोजना निदेशक, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, प0का0ई0 मेरठ को इस आशय से प्रेषित कि उक्त सैद्धान्तिक स्वीकृति दिनांक 16.08.2023 में अधिरोपित शर्तों की अनुपालन आख्या ऑनलाइन अपलोड कराने का कष्ट करें।

(एन0के0जानू)
मुख्य वन संरक्षक
प्रभारी वन संरक्षक, सहारनपुर वृत्त,
सहारनपुर।

कार्यालय प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर ।

पत्रांक 2916 / 14-1 (FP/UP/ROAD/ 43253/2019/FCA) दिनांक, मुजफ्फरनगर 30/03/ 2024 ।

सेवा में,

वन संरक्षक / क्षेत्रीय निदेशक,

सहारनपुर वृत्त, सहारनपुर ।

विषय:-

जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन ईकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनैज 48.400 से कि0मी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनैज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के के संबंध में।

संदर्भ:-

भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय मध्य का पत्रांक- 8 बी0/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक-16.08.2023 एवं भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, क्रियान्वन ईकाई, मेरठ का कार्यालय पत्रांक-NHAI/PIU-MRT/66012/2024/D-29658, DATE - 15-03-2024 तथा वन संरक्षक/क्षेत्रीय निदेशक मुरादाबाद वृत्त, मुरादाबाद का कार्यालय पत्रांक-2357/14-1, दिनांक-19.03.2024 ।

महोदय,

उपरोक्त विषयक संदर्भित भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय मध्य का पत्रांक-8 बी0/यू0पी0/06/265/2021/एफ0सी0/300, दिनांक-16.08.2023 के द्वारा परियोजना में सैद्धान्तिक स्वीकृति जारी की गयी है। जिसके अनुपालन में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, क्रियान्वन ईकाई, मेरठ द्वारा अपने संदर्भित पत्र दिनांक- 15.03.2024 द्वारा सैद्धान्तिक स्वीकृति में उल्लिखित शर्त संख्या - 01 से 26 तक की अनुपालन आख्या वन संरक्षक/क्षेत्रीय निदेशक मुरादाबाद वृत्त, मुरादाबाद के संदर्भित पत्र दिनांक-19.03.2024 के माध्यम से इस कार्यालय को प्राप्त हुई है भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय द्वारा वांछित अभिलेख/अनुपालन आख्या निम्नानुसार है :-

क्र० सं०	पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय की शर्तें	शर्तों की अनुपालन आख्या																																				
1	Legal status of the forest land shall remain unchanged.	NHAI agrees that Legal status of the forest land will remain unchanged.(Annexure-1)																																				
2	Compensatory afforestation shall be taken up by the Forest Department in an area of 96.00 ha. (DFL) degraded forest land in District Mirzapur & Saharanpur at the cost of the User Agency. As far as practicable a mixture of local indigenous species will be planted and monoculture of a species has to be avoided. The details of area for CA is as follows:- <table><tr><th>S. NO.</th><th>Details of CA</th><th>CA proposed in Area (Ha)</th><th>Name of Forest Division</th></tr><tr><td>1-</td><td>Lalganj Compartment No.3, Range Lalganj, District Mirzapur.</td><td>17.00 (DFL)</td><td>Mirzapur Division District Mirzapur</td></tr><tr><td>2-</td><td>Bela Compartment No.6, Range Madihan, 23.00 (DFL)</td><td>23.00 (DFL)</td><td></td></tr><tr><td></td><td>Badshahibagh-IA. Part-I, Range Badkala, District Saharanpur.</td><td>10.00 (DFL)</td><td>Shiwalik Forest District Saharanpur.</td></tr><tr><td></td><td>Badshahibagh-IA. Part-II, Range Badkala, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Khajnawar-2A. Part-II, Range Mohand, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Khajnawar-2A. Part-III, Range Mohand, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Sahansara-2B, Part-5 (Patri Milan). Range Shakumbhari, District Saharanpur.</td><td>10.00 (DFL)</td><td></td></tr><tr><td></td><td>Sahansara-2B, Part-6 (Patri Milan). Range Shakumbhari, District Saharanpur</td><td>06.00 (DFL)</td><td></td></tr></table>	S. NO.	Details of CA	CA proposed in Area (Ha)	Name of Forest Division	1-	Lalganj Compartment No.3, Range Lalganj, District Mirzapur.	17.00 (DFL)	Mirzapur Division District Mirzapur	2-	Bela Compartment No.6, Range Madihan, 23.00 (DFL)	23.00 (DFL)			Badshahibagh-IA. Part-I, Range Badkala, District Saharanpur.	10.00 (DFL)	Shiwalik Forest District Saharanpur.		Badshahibagh-IA. Part-II, Range Badkala, District Saharanpur.	10.00 (DFL)			Khajnawar-2A. Part-II, Range Mohand, District Saharanpur.	10.00 (DFL)			Khajnawar-2A. Part-III, Range Mohand, District Saharanpur.	10.00 (DFL)			Sahansara-2B, Part-5 (Patri Milan). Range Shakumbhari, District Saharanpur.	10.00 (DFL)			Sahansara-2B, Part-6 (Patri Milan). Range Shakumbhari, District Saharanpur	06.00 (DFL)		Compensatory afforestation will be taken up by the Shiwalik and Mirzapur Forest Division in an area 96.00 ha degraded forest land at the cost of the user agency. As far as possible, a mixture of local indigenous species will be planted and monoculture of a species has to be avoided. .(Annexure-2, 2a, 2b)
S. NO.	Details of CA	CA proposed in Area (Ha)	Name of Forest Division																																			
1-	Lalganj Compartment No.3, Range Lalganj, District Mirzapur.	17.00 (DFL)	Mirzapur Division District Mirzapur																																			
2-	Bela Compartment No.6, Range Madihan, 23.00 (DFL)	23.00 (DFL)																																				
	Badshahibagh-IA. Part-I, Range Badkala, District Saharanpur.	10.00 (DFL)	Shiwalik Forest District Saharanpur.																																			
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	Sahansara-2B, Part-6 (Patri Milan). Range Shakumbhari, District Saharanpur	06.00 (DFL)																																				
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 will be maintained for 10 years. The scheme may include appropriate	NHAI Meerut has deposited of Rs- 2,32,57,599/- for the compensatory afforestation in CAMPA fund, through challan Rs.- 30,31,87,673/- dated - 02-2024 (copy of paid challan enclosed) and (RTGS : E VIDE Transaction UTR No. INDBR32024020200107938 Bank Name:																																				

	provision for anticipated cost increase for works scheduled for subsequent years.	Union Bank Of India, CAMPA FUND.(Annexure-3, 3a)
4	The State Government shall charge the Net Present Value (NPV) for the 0.4428 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 date 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in 1A No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/9998-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 order dated 06-01-2022 and 19-01-2022 shall be deposit by user agency in this regards.	NHAI Meerut has deposited the Net Present Value (NPV) of Rs- 27,99,30,074 /- for the Net Present Value (NPV) the diversion of 38.85 ha. Forest area in Protected Forest land and 66.54 ha. Non Forest land in Hastinapur Wildlife Sanctuary, in CAMPA fund, through challan Rs.- 30,31,87,673/- dated 02-2024 (copy of paid challan enclosed) and (RTGS : E VIDE Transaction UTR No. INDBR320240200107938 Bank Name: Union Bank Of India, CAMPA FUND. (Annexure-4, 4a)
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 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.	NHAI Meerut undertakes that 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 receipt of the report from the Expert Committee will be charged by the State Government from the User Agency. The User Agency will furnish an undertaking to this effect. (Annexure-5)
6	User agency shall restrict the felling of 9630 trees/minimum number 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 tress shall be deposited by the by the User Agency with the State Forest Department.	NHAI Meerut undertakes that User agency will restrict the felling of trees to 9630 Trees/minimum number in the diverted forest land and the trees will be felled under the strict supervision of the State Forest Department and the cost of felling of tress will be deposited by the User Agency with the State Forest Department. (Annexure-6)
7	The Complete Compliance of the FRA 2006 shall be ensured by way of prescribed certificate from the concern District Collector.	NHAI Meerut undertakes that the Complete Compliance of FRA 2006 has been completed to ensured by way of prescribed certificate from the concern District Collector Muzaffamagar & Bijnore. (Annexure-7, 7a, 7b) A copy of FRA certificate enclosed
8	The Clearance of Standing Committee of National Board of Wild Life shall be submitted before the Final approval. No works shall be carried out in Forest land without approval of SCNBWL. Also an undertaking needs to be submitted by User agency that if clearance of SCNBWL is not accorded. then alignment shall be changed to avoid Protected Area.	NHAI Meerut undertakes that The Clearance of Standing Committee of National Board of Wild Life will be submitted before the Final approval. No works will be carried out in Forest land without approval of SCNBWL and if clearance of SCNBWL is not accorded. then alignment will be changed to avoid Protected Area. (Annexure-8)
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 as per submitted scheme 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.	NHAI Meerut undertakes that Plantation will be raised on both sides of the road and median (if available) by them. At the cost of NHAI as per submitted scheme 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. (Annexure-9)
10	Speed regulating signage will be erected along the road at regular intervals in the Protected Areas Forest Areas.	NHAI Meerut undertakes that Speed regulating signage will be erected along the road at regular intervals in the Protected Areas Forest Areas. (Annexure-10)
11	The user agency shall provide suitable under/ over pass in Protected Area/ Forest Area as per recommendations of CWLW/NBWL/FAC/REC.	NHAI Meerut undertakes that they will provide suitable under/ over pass in Protected Area/ Forest Area as per recommendations of CWLW/NBWL/FAC/REC. (Annexure-11)
12	User Agency shall obtain Environmental Clenrance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.	NHAI Meerut undertakes that Environmental Clenrance as per the provisions of the Environmental (Protection) Act, 1986, not applicable in this Project. (Annexure-12)

13	The layout plan of the proposal shall not be changed without prior approval of Central Government.	NHAI Meerut undertakes that The layout plan of the proposal will not be changed without prior approval of Central Government. (Annexure-13)
14	No labour camp shall be established on the forest land.	NHAI Meerut undertakes that undertakes that No labour camp will be established on the forest land. .(Annexure-14)
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.	NHAI Meerut undertakes that Sufficient firewood, preferably the alternate fuel, will 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. .(Annexure-15)
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.	NHAI Meerut undertakes that the boundary of the diverted forest land will be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer. .(Annexure-16)
17	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	NHAI Meerut undertakes that No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work. .(Annexure-17)
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.	NHAI Meerut undertakes that 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 (Circular for lease exemption) (Annexure-18)
19	The forest land shall not be used for any purpose other than that specified in the project proposal.	NHAI Meerut undertakes that the forest land will not be used for any purpose other than that specified in the project proposal. (Annexure-19)
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.	NHAI Meerut undertakes that the forest land proposed to be diverted will under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India. (Annexure-20)
21	The kml file of the area to be diverted ,CA Area s.the proposed SMC work .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 work	NHAI Meerut and forest department undertakes that the kml file of the area to be diverted & CA Areas the proposed SMC work .Proposed catchment area Treatment area and the WLMP will be uploaded on the e-Green watch portal with all requisite details before commencement of work. (Annexure-21, 21a)
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.	Forest department undertakes that 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 will be passed and will be intimated to the Nodal office as per rules. order of Temporary work Permission will be uploaded on PARIVESH Portal as per rules as well . (Annexure-22, 22a)
23	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEFF & CC Guideline F. No. 11-42/2017-FC date 29/01/2018.	NHAI Meerut agrees that Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEFF & CC Guideline F. No. 11-42/2017-FC date 2901/2018 as applicable to the project. (Annexure-23)
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.	NHAI Meerut agrees to comply with 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. (Annexure-24)

		demands by Concern DFO Muzaffarnagar vide his letter no 1508/14-1 dated 23-11-2023, NHAI Meerut has deposited in CAMPA fund, through challan Rs.- 30,31,87,673/- dated 02-2024 (copy of paid challan enclosed) and (RTGS : E VIDE Transaction UTR No. INDBR320240200107938 Bank Name: Union Bank Of India, CAMPA FUND. (Annexure-25, 25a)
26	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/).	It is certify that the compliance report shall be uploaded on e-portal (https://parivesh.nic.in/). (Annexure-26)

Total CA amount deposited	Rs.- 2,32,57,599 .00
Difference in amount	-
Reason for difference	-
Total NPV amount deposited	Rs.- 27,99,30,074.00
Difference in amount	-
Reason for difference	-
Total any other amount deposited-	-
Grand Total Amount deposited	Rs.- 30,31,87,673.00
CAMPA confirmation	Yes, (जमा (Paid) चालान की छायाप्रति संलग्न है)

अतः उपरोक्तानुसार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के संदर्भित पत्र दिनांक- 16.08.2023 के क्रम में प्रयोक्ता अभिकरण द्वारा समस्त वचनबद्धताएँ प्रतिहस्ताक्षरित कर ऑनलाईन/ई-मेल एवं हार्डकॉपी के माध्यम से आपकी सेवा में इस अनुरोध के साथ प्रेषित है कि उक्त को नियमानुसार उच्च स्तर को प्रेषित करने की कृपा करें।
संलग्नक:-यथोपरि। (ऑनलाईन/ई-मेल)

भवदीय
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर।

संख्या / 14-1(FP/UP/ROAD/43253/2019/FCA) दिनांकित। E-mail/Online
प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित -
प्रतिलिपि मुख्य वन संरक्षक/नोडल अधिकारी, उ०प्र० लखनऊ।
प्रतिलिपि वन संरक्षक/क्षेत्रीय निदेशक, मुरादाबाद वृत्त, मुरादाबाद।
प्रतिलिपि प्रभागीय निदेशक सामाजिक वानिकी प्रभाग, बिजनौर।
प्रतिलिपि भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, क्रियान्वन ईकाई, मेरठ।

(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर।

ई-मेल द्वारा

कार्यालय वन संरक्षक एवं क्षेत्रीय निदेशक, मुरादाबाद क्षेत्र, मुरादाबाद।
पत्रांक -2357 / 14-1 दिनांक, मुरादाबाद, 19-3-2024

सेवा में,

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग,
मुजफ्फरनगर।

विषय:-

संशोधित प्रस्ताव- जनपद मुजफ्फरनगर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, परियोजना कार्यान्वयन इकाई, मेरठ, द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत किमी0 चैनेज 48.400 से 66.500 तक 27.7284 हे0 संरक्षित वनभूमि एवं जनपद बिजनौर के अन्तर्गत किमी0 चैनेज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वनभूमि अर्थात् 38.8514 हे0 संरक्षित वन भूमि के गैरवानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष एवं जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल 9630 वृक्षों के पातन/ट्रांसप्लान्ट की अनुमति के सम्बन्ध में।

पूर्व प्रस्ताव- भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, परियोजना कार्यान्वयन इकाई, मेरठ, द्वारा मेरठ-नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत किमी0 चैनेज 48.400 से 67.180 तक 27.7437 हे0 संरक्षित वनभूमि एवं जनपद बिजनौर के अन्तर्गत किमी0 चैनेज 67.180 से 79.330 तक 11.1077 हे0 संरक्षित वनभूमि अर्थात् 38.8514 हे0 संरक्षित वन भूमि के गैरवानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 7846 वृक्ष एवं जनपद बिजनौर में 4316 वृक्ष अर्थात् कुल 12162 वृक्षों के पातन/ट्रांसप्लान्ट की अनुमति के सम्बन्ध में। File No. FP/UP/Road/43253/2019

सन्दर्भ:-

भारत सरकार, की पत्र संख्या-8B/UP/06/265/2021/FC/300 DATE-16-08-2023

महोदय,

उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें। भारत सरकार के उपरोक्त संदर्भित पत्र द्वारा विषयक प्रकरण में निर्गत सैद्धान्तिक स्वीकृति की अनुपालन आख्या/अभिलेख प्रभागीय निदेशक, सा0वा0 प्रभाग, बिजनौर ने अपने पत्र संख्या-4233/14-1 दिनांक 19.03.2024 द्वारा (ई-मेल द्वारा) प्रेषित किया गया है।

अतः प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, बिजनौर से प्राप्त बिन्दुवार अनुपालन आख्या (छायाप्रति संलग्न) सहमति सहित आवश्यक अग्रेत्तर कार्यवाही हेतु आपकी सेवा में प्रेषित है।

संलग्नक-यथोपरि।

भवदीय,
(रमेश चन्द्र)
वन संरक्षक एवं क्षेत्रीय निदेशक,
मुरादाबाद क्षेत्र, मुरादाबाद।

संख्या -2357 / 14-1 उक्तदिनांकित

- प्रतिलिपि :-1. मुख्य वन संरक्षक/नोडल अधिकारी, उ0प्र0, लखनऊ को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
2. परियोजना निदेशक, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, परियोजना कार्यान्वयन इकाई मेरठ को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
3. प्रभागीय निदेशक, सामाजिक वानिकी प्रभाग, बिजनौर को उनके पत्र दिनांक 19.03.2024 के क्रम में सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

(रमेश चन्द्र)
वन संरक्षक एवं क्षेत्रीय निदेशक,
मुरादाबाद क्षेत्र, मुरादाबाद।



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 - मेरठ

Project Implementation Unit, Meerut

ए-1, वैष्णो धाम, निकट गायत्री हाईट्स, कंकरखेड़ा, एन.एच.-58, मेरठ-250001

A-1, Vaishno Dham, Near Gayatri Heights, Kankerkheda, NH-58, Meerut-250001

टेलीफोन/Telephone: 0121-2631228 ई-मेल/e-mail: meerut@nhai.org



NHAI/PIU-MRT/66012/2024/D-29650

Date: - 15-03-2024

To

The Divisional Forest Officer
Social Forestry Division
Bijnor U.P.

Subject: Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

Reference:- Stage-1 clearance accorded by MoEF&CC Regional office, Lucknow vide letter no: -8B/UP/06/265/2021/FC/300; on dated 16/08/2023.

Sir

Please refer to the above captioned subject and aforementioned reference.

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 Annexure (26 nos.) and Attachments (5 Nos).

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.


Santosh Kumar Bajpai
Project Director

Enclosure:- (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.)

All document in 4 set

Copy to:-

- (1) Nodal Officer Lucknow for Information
- (2) C.F. Moradabad & Saharanpur for Information
- (3) DFO Muzaffarnagar for Information

Appendix-I

Stage-1 compliance of condition stipulated in terms of Forest Clearance (FC) which has been accorded by MoEFCC Regional office, Lucknow vide letter no: - 8B/UP/06/265/2021/FC/300; on dated 16/08/2023.

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

Online Proposal No: - FP/UP/ROAD/43253/2019		COMPLIANCE																												
SL	Stipulated Condition																													
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 96.00 ha. (DFL) degraded forest land in District Mirzapur & Saharanpur at the cost of the User Agency. As far as practicable a mixture of local indigenous species will be planted and monoculture of a species has to be avoided. The details of area for CA is as follows:-	Agreed and complied. 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). The species of plants will be selected by forest department suitable as per the site suitability May please refer Annexure-2 for undertaking.																												
	<table><tr><th>S.no</th><th>Details of CA</th><th>CA proposed in area (ha)</th><th>Name of forest division</th></tr><tr><td>1</td><td>Lalganj Compartment No.3. Range Lalganj, District Mirzapur.</td><td>17.00 (DFL)</td><td rowspan="2">Mirzapur.</td></tr><tr><td></td><td>Bela Compartment No.6. Range Madihan, District Mirzapur.</td><td>23.00(DFL)</td></tr><tr><td>2</td><td>Badshahibagh-IA. Part-1. Range Badkala, District Saharanpur.</td><td>10.00(DFL)</td><td rowspan="5">Shivalik Forest Division, Saharanpur</td></tr><tr><td></td><td>Badshahibagh-IA. Part-II, Range Badkala, District Saharanpur</td><td>10.00(DFL)</td></tr><tr><td></td><td>Khajnawar-2A, Part-II, Range Mohand, District Saharanpur</td><td>10.00(DFL)</td></tr><tr><td></td><td>Khajnawar-2A. Part-III. Range Mohand, District Saharanpur</td><td>10.00(DFL)</td></tr><tr><td></td><td>Sahansara-28. Part-5 (Patri Milan), Range</td><td>10.00(DFL)</td></tr></table>	S.no	Details of CA	CA proposed in area (ha)	Name of forest division	1	Lalganj Compartment No.3. Range Lalganj, District Mirzapur.	17.00 (DFL)	Mirzapur.		Bela Compartment No.6. Range Madihan, District Mirzapur.	23.00(DFL)	2	Badshahibagh-IA. Part-1. Range Badkala, District Saharanpur.	10.00(DFL)	Shivalik Forest Division, Saharanpur		Badshahibagh-IA. Part-II, Range Badkala, District Saharanpur	10.00(DFL)		Khajnawar-2A, Part-II, Range Mohand, District Saharanpur	10.00(DFL)		Khajnawar-2A. Part-III. Range Mohand, District Saharanpur	10.00(DFL)		Sahansara-28. Part-5 (Patri Milan), Range	10.00(DFL)		
S.no	Details of CA	CA proposed in area (ha)	Name of forest division																											
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	Sahansara-28. Part-5 (Patri Milan), Range	10.00(DFL)																												

C/S

(क. हेम. पटेल)
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मुजफ्फरनगर

Divisional Director
Social Forestry Division
BILNOR

Project Director
National Highways Authority of India
P.O. Meerut

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प्रमाणित निदेशक
सामाजिक वनिकी प्रमाण
मुजफ्फरनगर

	Shakumbari, District Saharanpur,		
	Sahansara-2B. Part-6 (Patri Milan). Range Shakumbari, District Saharanpur.	6.00(DFL)	
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 will be maintained for 10 years. The scheme will be for plantation and may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.		Agreed and complied. Demand note against CA and NPV amounting Rs. 303187673.00 has been issued by DFO Shivalik vide letter no 1508/14-1 on dated 23/11/2023. Against the demand notes, the same amount is deposited in CAMPA account. May please refer Annexure -1. (Receipt of payment). Also, May please refer Annexure-3 for undertaking.
4	The State Government shall charge the Net Present Value (NPV) for the 38.8514 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 (PL.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 in this regard. 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. Amount against revised NPV calculated by office of DFO Muzaffar Nagar, for 38.8514 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. If the rate of NPV is increased by Hon'ble Supreme Court of India / Government of India, the project proponent is fully agreed to bear it and will be reimbursed / paid the same to the Forest Department on time. Undertaking for the same is already attached in forest land diversion proposal and copy of the same is again being attached with this compliance letter. May please refer Annexure-5 for undertaking.
6	User agency shall restrict the felling of trees to 9630 trees/minimum number 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		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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मुजफ्फरनगर

	by the User Agency with the State Forest Department.	It is already ensured that no extra tree shall be felled other than identified 9630 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	The Clearance of Standing Committee of National Board of Wild Life shall be submitted before the Final approval. No works shall be carried out in Forest land without approval of SCNBWL. Also an undertaking needs to be submitted by User agency that if clearance of SCNBWL is not accorded, then alignment shall be changed to avoid Protected Area.	Agreed and complied This is to state that Wildlife Clearance of Standing Committee of NBWL shall be submitted before the Final approval. No works shall be carried out in Forest land without approval of SCNBWL. May please refer Annexure-8 for undertaking.
9	Plantation shall be raised on both sides of the road and median (if available) by the State Department at the cost of User Agency as per submitted scheme according to IRC guidelines and order passed by NGT in OA no. 27/2015 in the matter of Babulal Jaju vis State of Rajasthan others dated 16.11.2015	Agreed , to comply with IRC: SP: 21:2009 guideline for plantation and land scaping. The Road side plantation scheme is already submitted with the forest land diversion proposal. The same is attached for your ready reference as Attachment-3 (Roadside Plantation Scheme) . 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.	Agreed , 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.	Agreed and will be complied. Appropriate number under / over pass in Protected Area / Forest Area is already incorporated in design as recommended in WII study report already attached with Forest Land Diversion Proposal. May Please refer Attachment-4 (WII Study Report) Also 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

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मुद्राकरणगर

		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 prior 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 Meerut, 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 (Circular for lease exemption) 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	Noted and agreed It is ensured that diverted forest land for proposed project will not be transferred to any other agencies,

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	prior approval of Govt. of India.	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 WIMP 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. May please refer Annexure-22 for undertaking existing road, notified as PF land, scope of SMC (Soil
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 Meerut, 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/ deposited to CAMPA fund only through e-portal	Noted, the receipt of funds deposited in CAMPA account is attached, please refer Attachment-1. (Receipt of payment) and the same will be uploaded

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आमोजिक वाणिज्य प्रभाग
म. त. म. क. म. ग. र.

	(https://parivesh.nic.in/)	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 please refer Annexure-26 for undertaking.

(क. नै. प. व. व.)
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मुजफ्फरनगर

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Project Director
National Highways Authority of India
Signature & Seal
P.U. - Meerut

Divisional Director
Social Forestry Division
BIJNOR

Annexure -01Undertaking/Certificates (SI No.- 1 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Project Director
National Highways Authority of India
Signature & Seal

Divisional Director
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मुजफ्फरनगर

Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

on line proposal No. FP/UP/Road/43253/2019

आनलाईन प्रस्ताव संख्या- FP/UP/Road/43253/2019 के संबंध में भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय एकीकृत क्षेत्रीय कार्यालय लखनऊ का पत्रांक- 8बी0/यू0पी0/06/265/2021/एफ0सी0/300, दिनांक- 16.08.2023 द्वारा निर्गत सैद्धान्तिक स्वीकृति की शर्तों की अनुपालन आख्या।

शर्त संख्या-2

प्रमाणित किया जाता है कि जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनैज 48.400 से कि0मी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनैज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के प्रस्ताव में मिर्जापुर वन प्रभाग के अन्तर्गत 17 हे0 एवं शिवालिक वन प्रभाग के अन्तर्गत 79 हे0 अर्थात् कुल 96 हे0 अवनत वन भूमि पर विभिन्न प्रजाति के स्वदेशी पौधों का क्षतिपूरक वृक्षारोपण उनके द्वारा किया जायेगा। प्रभागीय वनाधिकारी मिर्जापुर एवं शिवालिक द्वारा क्षतिपूरक वृक्षारोपण किये जाने के सम्बन्ध में प्रमाण पत्र/वचनबद्धता संलग्न है।

(कन्हैया पटेल) 31/3/24

प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग,
मुजफ्फरनगर।

(कन्हैया पटेल)
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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

कार्यालय प्रभागीय वनाधिकारी, मीरजापुर वन प्रभाग, मीरजापुर

पत्रांक- 3298 / मीरजापुर / 15, दिनांक मीरजापुर मार्च 21, 2024

सेवा में,

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर ।

विषय-

जनपद-मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद-मुजफ्फरनगर के अन्तर्गत किमी0 चैनेज 48.400 से किमी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद-बिजनौर के अन्तर्गत किमी0 चैनेज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल 38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद-बिजनौर में 4419 वृक्ष अर्थात् कुल 9630 वृक्षों के पातन/ट्रांसप्लांट की अनुमति के सम्बन्ध में।

सन्दर्भ-1-

भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत, कार्यालय लखनऊ का पत्रांक-08बी/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक 16.08.2023 ।

2-

आपका पत्र 2829/14-1(एफ0पी0/यू0पी0/रोड/43253/2019) दिनांक 19.03.2024 ।

महोदय,

उपरोक्त विषयक सन्दर्भित पत्र के क्रम में भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत, कार्यालय लखनऊ का पत्रांक-08बी/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक 16.08.2023 द्वारा निर्गत सैद्धान्तिक स्वीकृति के शर्त संख्या-02 के अनुपालन में वांछित प्रमाण पत्र /आख्या निम्नानुसार सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

प्रमाण पत्र

विषयक परियोजना में प्रभावित वन भूमि के सापेक्ष मीरजापुर वन प्रभाग, मीरजापुर द्वारा लालगंज क0न0-3, लालगंज, क्षेत्रफल-17.00 हे0 एवं बेला क0न0-6, मड़िहान रेंज, क्षेत्रफल 23.00 हे0 अवनत वन भूमि उपलब्ध करायी है। मीरजापुर वन प्रभाग अन्तर्गत उपलब्ध करायी गयी अवनत वन भूमि पर मुख्यतः स्थानीय प्रजातियों का वृक्षारोपण प्रयोक्ता अभिकरण से वांछित धनराशि उपलब्ध होने के पश्चात् किया जायेगा।

भवदीय,

प्रभागीय वनाधिकारी
मीरजापुर वन प्रभाग, मीरजापुर

संख्या

3298

अ/समदिनांक

प्रतिलिपि- मुख्य वन संरक्षक, मीरजापुर क्षेत्र, मीरजापुर को सूचनार्थ प्रेषित।

(कन्हैया अग्रवाल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगरप्रभागीय वनाधिकारी
मीरजापुर वन प्रभाग, मीरजापुर

कार्यालय प्रभागीय वनाधिकारी, शिवालिक वन प्रभाग, सहारनपुर।

पत्रांक-3403/14-1(FP/UP/ Road/43253/2019)दिनांक, सहारनपुर 30/3/2024।

सेवा में,

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग,
मुजफ्फरनगर।

विषय-

जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना कार्यान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनैज 48.400 से कि0मी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनैज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष, जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के संबंध में।

सन्दर्भ-

भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय मध्य का पत्रांक-8बी0/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक-16.08.2023 एवं आपका कार्यालय पत्रांक-2829/14-1, दिनांक-19.03.2024।

महोदय,

उपरोक्त विषयक भारत सरकार, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय (मध्य)का पत्रांक-8 बी0/यू0पी0/06/265/2021/एफ0सी0/300 दिनांक-16.08.2023 द्वारा निर्गत सैद्धान्तिक स्वीकृति कि शर्त संख्या-02 के अनुपालन में वांछित प्रमाण पत्र/आख्या निम्नानुसार आक्यक कार्यवाही हेतु प्रेषित है:-

-: प्रमाण पत्र :-

विषयक परियोजना के सापेक्ष शिवालिक वन प्रभाग के क्षेत्रान्तर्गत, क्षतिपूरक वृक्षारोपण हेतु चिन्हित स्थल, जिनका विवरण निम्नवत है, पर स्थानीय/देशी प्रजातियों का वृक्षारोपण प्रयोक्ता एजेन्सी के व्यय पर किया जायेगा तथा किसी भी प्रजाति का मोनोकल्चर नहीं किया जायेगा।

S. NO.	Details of CA	CA proposed in Area (Ha)	Name of Forest Division
	Badshahibagh-IA.Part-I, RangeBadkala,District Saharanpur.	10.00 (DFL)	Shiwalik Forest District Saharanpur.
	Badshahibagh-IA.Part-II RangeBadkala,District Saharanpur.	10.00 (DFL)	
	Khajnawar-2A. Part-II, Range Mohand, District Saharanpur.	10.00 (DFL)	
	Khajnawar-2A.Part-III, Range Mohand,District Saharanpur.	10.00 (DFL)	
	Sahansara-2B, Part-5 (Patri Milan). Range Shakumbari, District Saharanpur.	10.00 (DFL)	
	Sahansara-2B, Part-6 (Patri Milan). RangeShakumbari, District Saharanpur	06.00 (DFL)	

भवदीया,

()
(स्थिता सैन)

प्रभागीय वनाधिकारी,
शिवालिक वन प्रभाग,
सहारनपुर।

संख्या- 3403 /14-1(FP/UP/ Road/43253/2019) उक्तदिनांकित।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आक्यक कार्यवाही हेतु प्रेषित।

1- मुख्य वन संरक्षक/नोडल अधिकारी, उत्तर प्रदेश लखनऊ।

2 - वन संरक्षक/क्षेत्रीय निदेशक, सहारनपुर वृत्त, सहारनपुर।

c/s

()
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

()
(स्थिता सैन)

प्रभागीय वनाधिकारी,
शिवालिक वन प्रभाग,
सहारनपुर।

Annexure -03Undertaking/Certificates (SI No. 3 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to confirm that as per demand note issued from office of DFO – Muzaffar Nagar and DFO Bijnor, 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: - 15/03/2024

Place: - Meerut

(कन्हैया प्रतेज)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
Project Director
National Highways Authority of India
P.I.U.-Meerut

for
Divisional Director
Social Forestry Division
BIJNOR



PARIVESH
परिवेश

"Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub"

Ministry of Environment, Forest and Climate Change
Government of India

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10

Online payment history made by User Agency under CAMPA

Help

Sno.	Proposal Detail	Application No	Application No (New)	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (In Rs.)	Payment Status	Payment Detail
1	PNUP ROAD/11752/2019 Forest Land Diversion proposal for Improvement and Up-gradation to 4-lane configuration of Meerut Najibabad section of NH 119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh.	ROAD432532019164	6143253164 CL	16 Aug 2023	CA: 23257599.- PCA: 0/- Safety Zone: 0/- NPV: 279930074.- NA: 0/- NA: 0/- NA: 0/- Total: 303187673.-	Paid	Fund Demand Verified by : 29 Jan 2024 Nodal Officer On Bank Name : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On : 29 Jan 2024 Transaction Date : 02 Feb 2024

(कन्द्युफर) प्रमाणीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Project Director
National Highways Authority of India
P.L.U.-Meerut

Annexure - 3a

Annexure -04Undertaking/Certificates (SI No. 4 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to confirm that, the amount against revised NPV calculated by office of DFO Muzaffar Nagar and DFO Bijnor for 38.8514 ha of diverted Forest Land is already deposited (combinedly with amount against CA) in CAMPA account, please refer **Attachment -1. (Receipt of payment).**

Date: - 15/03/2024

Place: - Meerut

cl
(कन्हैया प्रसेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
National Highways Authority of India
P.I.U.-Meerut

Divisional Director
Social Forestry Division
BIJNOR



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10

Online payment history made by User Agency under CAMPA

Help

Sno.	Proposal Detail	Application No	Application No (new)	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (In Rs.)	Payment Status	Payment Detail
1	PP/UP/ROAD/41753/2019 Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut- Nazibabad section of NH 119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".	ROAD432532019164	5143253164 <i>C 15</i>	16 Aug 2023	CA: 23257599.- PCA: 0.- Safety Zone: 0.- NPV: 279930074.- NA : 0. NA : 0. NA : 0. Total : 303187673.-	Paid	Fund Demand Verified by : 29 Jan 2024 Nodal Officer On Bank Name : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On : 29 Jan 2024 Transaction Date : 02 Feb 2024

(कन्हैया लाल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Project Director
National Highways Authority of India
P.U.-Meerut

संलग्नक - 4(अ)

Annexure -05Undertaking/Certificates (SI No.-5 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 Meerut is agreed to pay.

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
Project Director
National Highways Authority of India
P.I.U.-Meerut

CLs
(कन्हैया प्रतेम)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry
BIJNOR

Annexure -06Undertaking/Certificates (SI No.- 6 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 9630 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: - 15/03/2024

Place: - Meerut

Project Director
NHA-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Project Director
National Highways Authority of India
Signature & Seal
P.I.U.-Meerut

45
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
BIJNOR

Annexure -07Undertaking/Certificates (SI No.- 7 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 Certificated is attached herewith as **Attachment no. - 2 (FRA Certificate of District Collector).**

Date: - 15/03/2024

Place: - Meerut

Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Project Director
National Highways Authority of India
Signature & Seal
PIU, Meerut

c/s
1
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
BUNOR

Attachment-2

FORM-I

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

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

Government of Uttar Pradesh
Office of District Collector Bijnor

No. 41/1471 Dated 23.07.21

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 11.1077 hectares of forest land proposed to be diverted in favour of NHAI, PIU Meerut, Uttar Pradesh, for "Forest Land Diversion proposal for 'Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 79+330 in the state of Uttar Pradesh'" in the State of Uttar Pradesh falls within the jurisdiction of village(s) - Bijnor, Faridpur Kaji, Jhakdi Bangar, Islampurdas, Islampur Dipa, Taipurpur, Tarikampur Rupchand, Rasulpur Pruthi, Chinchroli Bangar, Faridpur Mira, Gokulpur Kasa, Murtajapur Bulaki, Kachhapura in Bijnor tehsil having no recorded population of Scheduled Tribes as per Census of India 2001 and 2011. It is further certified that:

a) The Protected Forest (s) namely (linear plantation along the road and the canal) involved in the above villages are plantations raised on non-forest land on or after 13 December 1930 and were notified as PF vide notification no (s)- 1155/XIV-331-50 dated: - February 10, 1960

b) Therefore, these PFs neither have residing Scheduled Tribes nor have Other Traditional Forest Dwellers (residing in the PFs for more than 75 years) having rights recognized under Forest Rights Act, 2006.

Encl.: As above.

(M. Sammaran)
Divisional Forest Officer
Divisional Director
Social Forestry Division
BIJNOR

CCs

(कन्सर्वेशन सुदृढ)
प्रमाणित निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Umesh Mishra
District Magistrate
Bijnor

Project Director
National Highways Authority of India
P.I.U.-Meerut

Divisional Director
Social Forestry Division
BIJNOR

FORM-I

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

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

Government of Uttar Pradesh
Office of District Collector Muzaffar Nagar

No..... Dated.....

942/14-16/DFD/MZN Dated 25/09/2021

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 27.7437 hectares of forest land proposed to be diverted in favour of NHAI, PIU Meerut, Uttar Pradesh, for "Forest Land Diversion proposal for 'Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 79+330 in the state of Uttar Pradesh'" in the State of Uttar Pradesh falls within the jurisdiction of village(s) - Samana, Hashampur, Putli Ibrahimpur, Tikola, Mubarikpur, Mahmudpur Bangar, Rasulpur, Babara, Sikreda, Shilpuri, Kallapurjasamor, KasimpurKola, Isahakwala, Jaitpur Gaursiwala, Gawadi, Gair ahatmatal, Ujayali Khurd Gair Ahatmatal, Ujayali Khurd Ahatmatal in Jansath tehsil, District Muzaffar Nagar having no recorded population of Scheduled Tribes as per Census of India 2001 and 2011. It is further certified that:

a) The Protected Forest (s) namely (linear plantation along the road and the canal) involved in the above villages are plantations raised on non-forest land on or after 13 December 1930 and were notified as PF vide notification no (s)- 115/XIV-331-50 dated: - February 10, 1960

b) Therefore, these PFs neither have residing Scheduled Tribes nor have Other Traditional Forest Dwellers (residing in the PFs for more than 75 years) having rights recognized under Forest Rights Act, 2006.

Encl.: As above.

(Suraj)

Divisional Forest Officer
Muzaffar Nagar
समाजीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

District Social Welfare Officer
Muzaffar Nagar
जिला समाज कल्याण अधिकारी
मुजफ्फरनगर

(Selva Kumari j)
District Magistrate
Muzaffar Nagar

(सेल्वा कुमारी जे.)
जिलाधिकारी
मुजफ्फरनगर।

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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

विभाग: समाज निदेशक
उप निदेशक सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
BIJNOR

Project Director
National Highways Authority of India
P.U.-Meerut

Annexure -08Undertaking/Certificates (SI No. 8 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to Undertake that Wildlife Clearance of Standing Committee of National Board of Wild Life shall be submitted before the Final approval. No works shall be carried out in Forest land without approval of SCNBWL.

Date: - 15/03/2024

Place: - Meerut

Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Project Director
National Highways Authority of India
P.I.U.-Meerut

(कनैया फोरम)
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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
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Annexure -09Undertaking/Certificates (SI No. 9 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to undertake that, User Agency NHAI-PIU Meerut will comply with IRC: SP:21:2009 guideline for plantation and land scaping.

Further, it is to say that altogether approx. 25,500 numbers of shrubs in median and 11,500 trees as avenue plantation will be planted within the PROW of project road.

May please refer Attachment-3 (Roadside Plantation Scheme)

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
National Highways Authority of India
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Divisional Director
Social Forestry Division
BIJNOR

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This 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, cautionary board and warning board will be installed at identified location. Suggestions in this regard may also be sought from concerned forest department (if any) to aware the drivers and other road users.

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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Social Forestry Division
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Annexure -11Undertaking/Certificates (SI No. 11 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to state that Appropriate number OF under / over pass in Protected Area / Forest Area is already incorporated in design as recommended in WII study report. The same is already attached with Forest Land Diversion Proposal.

May please refer Attachment -4. (WII Study Report).

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
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Name: - Santosh Kumar Bajpai

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Divisional Director
Social Forestry Division
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Annexure -12Undertaking/Certificates (Sl No. 12 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
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Name: - Santosh Kumar Bajpai

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Social Forestry Division
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Annexure -13Undertaking/Certificates (SI No. 13 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director,
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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Social Forestry Division
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Annexure -14Undertaking/Certificates (SI No. 14 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No:- FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
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Name: - Santosh Kumar Bajpai

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Social Forestry Division
BUNOR

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 Meerut, Uttar Pradesh).

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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Divisional Director
Social Forestry Division
BIJNOR

Signature & Seal

Annexure -17

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 (Circular for lease exemption)**

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
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Name: - Santosh Kumar Bajpai

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Social Forestry Division

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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Project Director
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सामाजिक-कानूनी प्रभाग
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Divisional Director
Social Forestry Division
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Annexure -20Undertaking/Certificates (SI No. 20 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

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Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

on line proposal No. FP/UP/Road/43253/2019

आनलाईन प्रस्ताव संख्या- FP/UP/Road/43253/2019 के संबंध में भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय एकीकृत क्षेत्रीय कार्यालय लखनऊ का पत्रांक- 8बी0/यू0पी0/06/265/2021/एफ0सी0/300, दिनांक- 16.08.2023 द्वारा निर्गत सैद्धान्तिक स्वीकृति की शर्तों की अनुपालन आख्या।

शर्त संख्या-21

प्रमाणित किया जाता है कि जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनैज 48.400 से कि0मी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनैज 66.500 से 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के प्रस्ताव में संबंधित हस्तान्तरित वन भूमि कि के0एम0एल0, SMC Work, क्षतिपूरक वनीकरण क्षेत्र की के0एम0एल0 आदि को कार्यपूर्ण होने से पूर्व नियमानुसार ई-ग्रीनवॉच पोर्टल पर अपलोड किया जायेगा। इस हेतु सामाजिक वानिकी प्रभाग, मुजफ्फरनगर वचनबद्ध है।

(कन्हैया पटेल)
प्रभागीय निदेशक
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प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
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Name: - Santosh Kumar Bajpai

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Social Forestry Division
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Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

on line proposal No. FP/UP/Road/43253/2019

आसलाईन प्रस्ताव संख्या- FP/UP/Road/43253/2019 के संबंध में भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय एकीकृत क्षेत्रीय कार्यालय लखनऊ का पत्रांक- 8बी0/यू0पी0/06/265/2021/एफ0सी0/300, दिनांक- 16.08.2023 द्वारा निर्गत सैद्धान्तिक स्वीकृति की शर्तों की अनुपालन आख्या।

शर्त संख्या-22

प्रमाणित किया जाता है कि जनपद मुजफ्फरनगर एवं बिजनौर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि०मी० चैनैज 48.400 से कि०मी० 66.500 तक 27.7284 हे० संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि०मी० चैनैज 66.500 से 78.635 तक 11.1230 हे० संरक्षित वन भूमि अर्थात् कुल-38.8514 हे० संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल- 9630 वृक्षों के पातन/ट्रान्सप्लांट की अनुमति के प्रस्ताव मे वन संरक्षण अधिनियम 1980 की निर्देशिका के क्लोज 11.2 के अनुसार लीनियर प्रस्तावों में 01 वर्ष हेतु अस्थाई कार्यानुमति जारी करने के उपरान्त परिवेश पोर्टल पर निरूपित (अपलोड) किया जायेगा। इस हेतु सामाजिक वानिकी प्रभाग, मुजफ्फरनगर वचनबद्ध है।

(कन्हैया पटेल) 5/24
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग,
मुजफ्फरनगर।
(कन्हैया पटेल)
प्रभागीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

This is to undertake that User Agency NHAI-PIU Meerut, Uttar Pradesh Agreed upon the stipulated condition and the same will be compiled.

Date: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal

National Highways Authority of India
P.I.U.-Meerut

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सांख्यिक यानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
BIJNOR

Annexure -23

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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 Meerut, 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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal

stage-1 Forest Clearance of this project. In case any violation reported, User Agency will be

C/S
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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
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Annexure -24Undertaking/Certificates (SI No. 24 of Stage-1 condition)

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal

Project Director
P.I.U.-Meerut
National Highways Authority of India
P.I.U.-Meerut

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15/3/24
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आमालिक वानिकी प्रभाग
मुजफ्फरनगर

15/3/24
Divisional Director
Social Forestry Division
BIJNOR

Annexure -25

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
National Highways Authority of India
P.I.U.-Meerut

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Online payment history made by User Agency under CAMPA

Help

Sno.	Proposal Detail	Application No	Application No (New)	Date of IM-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail
1	Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Alwar-Bharatpur section of NH 119 between Km 39+105 to Km 78+635 in the state of Uttar Pradesh".	ROAD-3253010164	6143253164	16 Aug 2023	CA: 2337759.00 FCA: 0.00 Safety Zone: 2337759.00 NPV: 0.00 NA: 0.00 MA: 0.00 Total: 2337759.00	Paid	Fund Demand Verified by: 29 Jan 2024 Nodal Officer On: Union Bank Of India Bank Name: NEFT/RTGS (Challan) Mode of Payment: 29 Jan 2024 Challan Generated On: 02 Feb 2024 Transaction Date:

Project Director
National Highway Authority of India
P.U. Sector

(क. प्रवेश)
प्रमोदीय निदेशक
सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

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

Name of Project Road- Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh".

Online Proposal No: - FP/UP/ROAD/43253/2019

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: - 15/03/2024

Place: - Meerut

15/3/24
Project Director
NHAI-PIU Meerut
Uttar Pradesh
Name: - Santosh Kumar Bajpai

Signature & Seal
National Highways Authority of India
P.I.U.-Meerut

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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

Divisional Director
Social Forestry Division
BIJNOR

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 - मेरठ

Project Implementation Unit, Meerut

ए-1, वैष्णो धाम, निकट गायत्री हाईट्स, कंकरखेड़ा, एन.एच.-58, मेरठ-250001

A-1, Vaishno Dham, Near Gayatri Heights, Kankarkhera, NH-58, Meerut-250001

टेलीफोन/Telephone: 0121-2631228 ई-मेल/e-mail: meerut@nhai.org



भारत/राज्य/प्रान्त/पंचायत/मंडल/2024/66014/डी0-29298

दिनांक: 05.02.2024

सेवा में

प्रभागीय निदेशक,
सामाजिक वानिकी प्रभाग,
मुजफ्फरनगर।

विषय:—संशोधित प्रस्ताव जनपद मुजफ्फरनगर में भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना क्रियान्वयन इकाई, मेरठ द्वारा नजीबाबाद मार्ग खण्ड एन0एच0-119 के जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनेज 48.400 से कि0मी0 66.500 तक 27.7284 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनेज 66.500 से कि0मी0 78.635 तक 11.1230 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्ष जनपद मुजफ्फरनगर में 5211 वृक्ष व जनपद बिजनौर में 4419 वृक्ष अर्थात् कुल-9630 वृक्ष पातन/ट्रान्सप्लांट की अनुमति के सम्बन्ध में।

पूर्व प्रस्ताव-जनपद मुजफ्फरनगर के अन्तर्गत कि0मी0 चैनेज 48.400 से कि0मी0 67.180 तक 27.7437 हे0 संरक्षित वन भूमि एवं जनपद बिजनौर के अन्तर्गत कि0मी0 चैनेज 67.180 से 79.330 तक 11.1077 हे0 संरक्षित वन भूमि अर्थात् कुल-38.8514 हे0 संरक्षित वन भूमि के गैर वानिकी प्रयोग तथा विभिन्न प्रजातियों के बाधक वृक्षों के पातन/ट्रान्सप्लांट की अनुमति का प्रस्ताव।

संदर्भ:—आपका कार्यालय पत्रांक संख्या-1508/14-1 मुजफ्फरनगर, दिनांक 23.11.2023

महोदय

कृपया उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें, जिसके माध्यम से आपके द्वारा उपरोक्त संरक्षित वन भूमि के प्रस्ताव के अन्तर्गत शुद्ध वर्तमान मूल्य (एन0पी0वी0) की धनराशि 30,31,87,673.00 को जमा कराये जाने हेतु अनुरोध किया गया था।

उपरोक्त के सम्बन्ध में इस कार्यालय द्वारा उपरोक्त शुल्क NEFT/RTGS द्वारा रुपये 30,31,87,673.00 UTR No.R/INDBR32024020200107938/UBIN/UTTAR PRADESH के माध्यम से कोम्पा कण्ड में जमा करा दी गयी है।

सूचनार्थ प्रेषित।

(संदीप कुमार)

कृत परियोजना निदेशक

प्रतिलिपि: सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।—

1. मुख्य वन संरक्षक/नोडल अधिकारी (वन संरक्षण) उत्तर प्रदेश, लखनऊ।
2. वन संरक्षक/राष्ट्रीय निदेशक, राहारनपुर कृत, राहारनपुर।
3. प्रभागीय वनाधिकारी, मिर्जापुर वन प्रभाग एवं शिवालिक वन प्रभाग।
4. प्रभागीय वनाधिकारी, बिजनौर, वन प्रभाग, बिजनौर।
5. उप प्रभागीय वनाधिकारी, सामाजिक वानिकी प्रभाग, मुजफ्फरनगर।

Project Director
National Highways Authority of India
P.I.U.-Meerut

प्रधान कार्यालय: जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली-110 075, फोन: 91-11-25074100/25074200, वेबसाइट: http://www.nhai.org

Corporate Office: 3/5 & 6, Sector 10, Dwarka, New Delhi-110075, Phone: 91-11-25074100 / 25074200, Website: http://www.nhai.org

Divisional Director

Social Forestry Division

BIJNOR

(कन्हैया लाल)

प्रभागीय निदेशक

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10.1

Online payment history made by User Agency under CAMPA

Help

Sno.	Proposal Detail	Application No	Application no (new)	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail
1	Forest Land Diversion proposal for Improvement and Up-gradation to 4-lane configuration of Meerut Nanbabad section of NH 119 between Km 39+165 to Km 78+635 in the state of Uttar Pradesh.	ROAD432532019164	5143253164	16 Aug 2023	CA: 23257559/- PCA: 0/- Safety Zone: 0/- NPV: 279930074/- NA: 0 NA: 0 NA: 0 Total: 303187673	Paid	Fund Demand Verified by : 29 Jan 2024 Nodal Officer On Bank Name : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On : 29 Jan 2024 Transaction Date : 02 Feb 2024

(कन्हैया प्रदेल)
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मुजफ्फरनगर

Project Director
National Highways Authority of India
P.U.-Meerut

Avenue & Median Plantation Scheme

Name of Project: - Project Name: - Forest Land Diversion proposal for "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39.165 to Km 78.635 in the state of Uttar Pradesh".

Online Proposal No; - FP/UP/ROAD/43253/2019

Area of Forest Land Diversion: - 38.8514 Hectare

Length of Project Road: - 39.470 Km



Santosh Kumar Bajpai
Project Director
Project Implementation Unit
Meerut, Uttar Pradesh.

Signature: -

Seal: -

Project Director
National Highways Authority of India
P.I.U.-Meerut

17/7/23
Santosh Kumar Bajpai
Project Director
National Highways Authority of India
PIU - Meerut

Divisional Director
Social Forestry Division
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c/s

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सामाजिक वानिकी प्रभाग
मुजफ्फरनगर

15/3/24
Project Director
National Highways Authority of India
P.U.-Meerut

Divisional Director
Social Forestry Division
BUNOR

17/3/23
Santosh Kumar Bajpai
Project Director
National Highways Authority of India
P.U.-Meerut

1. Introduction

Plantation Scheme

This proposed plantation scheme is for the project namely "Improvement and Up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119 between Km 39.165 to Km 78.635 in the state of Uttar Pradesh". The plantation scheme is prepared to compensate the ecological loss for felling of trees, development of aesthetic values and enhancement microclimatic conditions. 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 the Plantation scheme is prepared is located in District Meerut, Muzaffarnagar and Bijnor, Uttar Pradesh. The total length of the project road is 39.470 km, traverse predominantly through Agricultural and settlement area. Keeping in view of prevailing code for plantation and availability of land one row plantation can be accommodated and the same is provisioned. All together approx. 25500 nos. of shrubs in median and 11500 trees as avenue plantation will be planted within the PRoW of project road.

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 a section of existing highway (NH119) between Meerut and Bijnor. In general proposed right of way (PRoW) is 60 meters, while the existing road width (Bituminous) is of 10 meter (2 lane). There is an elevated road section near Ganaga Barrage between km 62+000 to 66+500 accordingly roadside avenue plantation is not provisioned. However, median plantation will be carried out. Similarly, there is provision of service road (both side measuring km 18.83 km at different location and in this section plantation is not possible (either side) so in these section only Median Plantation in two row is proposed.

4. Plantation strategy

Keeping in view of availability of land, which is between 5 to 7.5 meter either side, single row plantation is proposed. The project road runs through urban and semi-urban areas accordingly a combination of ornamental, shade and screening trees have been proposed. Wildlife Institute of India (WII) Dehradun has also been engaged for the study pertain to wildlife conservation and mitigation and it is recommended that "No avenue plantation or planting of fruit-bearing trees should be done along the sensitive stretches of the highway". This is primarily to keep away the birds and other animals like Monkey from highway so the associated collision with vehicle can be avoided.

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Project Director
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P.U.-Meerut

Divisional Director
Social Forestry Division
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17/3/23
Santosh Kumar Bajpai
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P.U.-Meerut

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5. Average width available for median plantation:
Average width available for median plantation is 4.0 m.
The area/location of avenue and median has been presented in Table 1 & 2 below.

Table 1: Details of Median & Avenue Plantation

Table 1: Details of Median & Avenue Plantation									
Details of Median Plantations									
SL	Type of Plantation	Length (Km)		Length (km)	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	39.165	78.635	39.470	4.00	3	2	25500.00	As the project is of 4 lane with paved shoulder 4.0 meter median is provision which can accommodate 26287.00 in 2 row at plant to plant distance 3 meter in staggered way. However, at site keeping in view of road user safety / and site clearance at curve / at median opening/ at junctions, the total number of median plants may likely to slightly reduce and for the purpose of calculation the figure kept is 25500.00
		Total median plantation						25500.00	

Table 2: Details of Avenue Plantation

SL	Type of Plantation	Chainage		Length (Km)	Width kept for plantation (m)	Plant to Plant distance (m)	No. of Row	Total no. of plant	Remarks
		From	To						
1	Avenue	42.000	44.000	2.000	5.0 -7.5	3	1+1	1332	New Construction of 4-Lane with Paved Shoulder, Behsuma Bypass 39.85-45.70
2		46.900	47.700	0.800	5.0 -7.5	3	1+1	532	New Construction of 4-Lane with Paved Shoulder, Ramraj Bypass 46.30-49.50
3		51.100	54.640	3.540	5.0 -7.5	3	1+1	2357	New Construction of 4-Lane with Paved Shoulder Mirapur Bypass 50.30-55.30
4		55.700	58.500	2.800	5.0 -7.5	3	1+1	1864	LHS Eccentric

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								Reconstruction to 4-Lane with Paved shoulder
5	58.500	59.300	0.800	5.0 -7.5	3	1+1	532	New Construction of 4-Lane with Paved Shoulder & Service Road in Built-Up Area , Kelapur Jasmor
6	61.400	62.000	0.600	5.0 -7.5	3	1+1	399	RHS Eccentric Widening and Reconstruction to 4-Lane with Paved shoulder
7	62.000	62.770	0.770	5.0 -7.5	3	1+1	513	New Construction of 4-Lane with Paved Shoulder (Realignment)
8	62.770	63.180	0.410	5.0 -7.5	3	1+1	273	New Construction of Ganga Bridge Approach without Service Road
9			0.000					New Construction of Ganga Bridge / Viaduct
10	65.970	66.400	0.430	5.0 -7.5	3	1+1	286	New Construction of Ganga Bridge Approach without Service Road
11	66.400	68.000	1.600	5.0 -7.5	3	1+1	1066	RHS Eccentric Widening and Reconstruction to 4-Lane with Paved shoulder
12	68.000	68.700	0.700	5.0 -7.5	3	1+1	466	Concentric Widening and Reconstruction to 4-Lane with Paved shoulder
13	68.700	70.680	1.980	5.0 -7.5	3	1+1	1319	LHS Eccentric Widening and Reconstruction to 4-Lane with Paved shoulder
14	76.200	77.700	1.500	5.0 -7.5	3	1+1	999	New Construction of 4-Lane with Paved Shoulder (Bypass)
15	78.700	78.810	0.110	5.0 -7.5	3	1+1	73	RHS Eccentric Widening and

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										Reconstruction to 4-Lane with Paved shoulder
				18.04					12011	
Total Avenue Plantation calculated – 12011.00. Considering cross drainages and underpasses it is estimated that total number of plants can be planted, will be 11500.00.										

6. Plantation Layout Plan and Pits digging

Although multiple rows of plantation are 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.

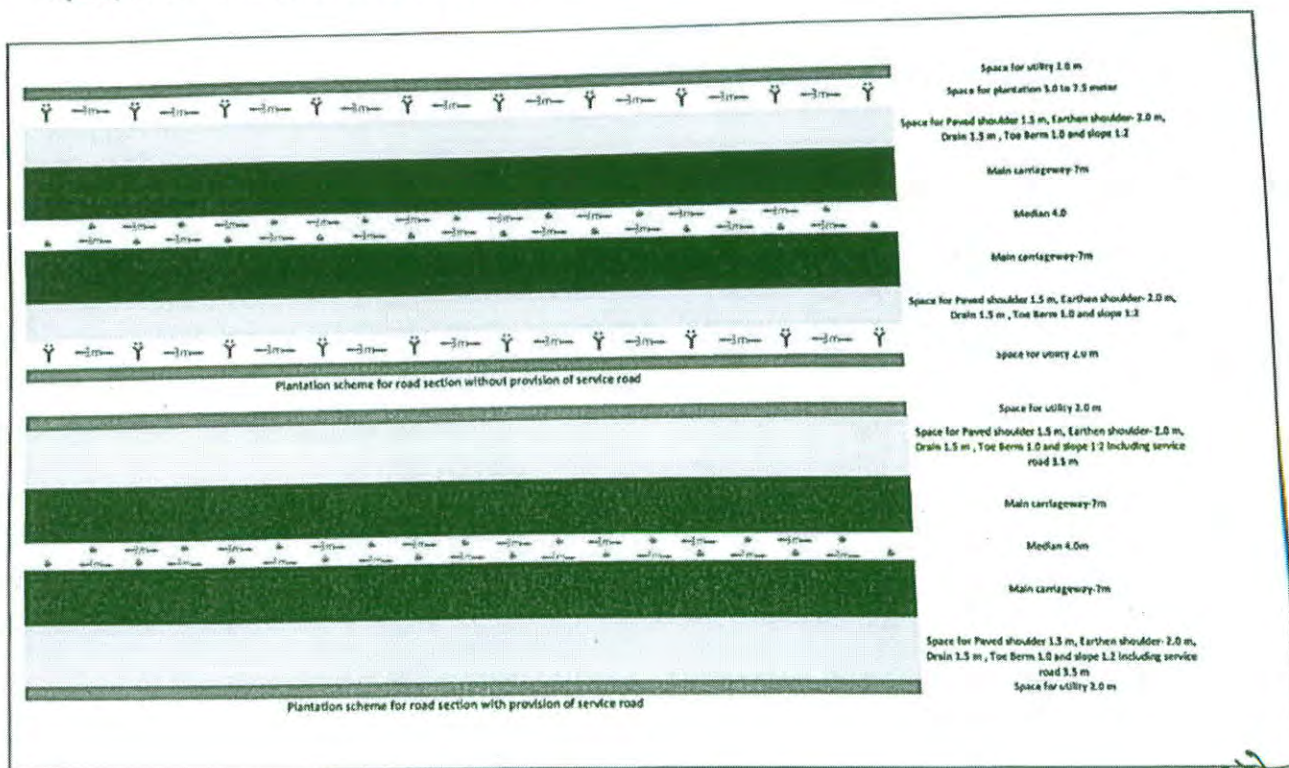


Figure 1: Plantation Layout Plan

7. 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

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conditions. The technical specifications of ornamental/flowering plants have been presented in Table 3.

Table 3: 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 single row median plantation (at median opening considering road user safety) 3 meter spacing in 2 row staggered in 4.0 meter wide median. Avenue plantation is proposed in single row at spacing of 3 meter.
Canopy Shape & Size	Preferable Cylindrical/oblong with small CSA/ having vertical canopy growth.
Spacing between rows	Single row plantation
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	333 x 1+1 = 666
Height of the plant	1.5 m to 2 m

8. 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 4.0 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 0.75 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 plantable length for median plantation is approx. 39.0 km and for avenue plant is 18.0 km limited variety of shrubs and avenue plants are proposed to maintain landscaping. Species proposed for median plantation has been presented in Table 4 below.

Table 4: 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

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9. Species Planned for 1st Row of Avenue Plantation.

Single row of plantation along the project road have been worked out based on the land availability which is between 5 to 7.5 meter within the PROW. Based on codal provision of plantation and land scaping in highway project (IRC: SP:21:2009 and Green highway policy 2015, the Agro-climatic zone and climatic conditions following tree species as presented in Table 5 proposed to be planted in 1st row.

Table 5: Species Recommended for 1st Row of Avenue Plantations

SL	Botanical Name	Local Name	Remarks
1.	<i>Bauhinia variegata</i>	Kachnar	In km/ chainages where available land with for avenue plantation is 5-6 meter
2.	<i>Cassia fistula</i>	Amaltas	In km/ chainages where available land with for avenue plantation is 5-6 meter
3.	<i>Delonix regia</i>	Gulmohar	In km/ chainages where available land with for avenue plantation is 5-6 meter
4.	<i>Terminalia arjuna</i>	Arjun	In km/ chainages where available land with for avenue plantation is 6-7.5 meter
5.	<i>Pongamia pinnata</i>	Kanji	In km/ chainages where available land with for avenue plantation is 6-7.5meter

10. Planting Material:

Plant quality determines success in plantation, particularly in relation to root development. Once the plantation contractor has selected which tree species to use it is then important to select seedlings that are best suited to the site conditions but also ensure that the seed stock is healthy (i.e., it comes without pests or diseases).

a. Insecticide/pesticide/fungicide:

When a plant cannot function normally, it is diseased. The primary causes of disease in trees are pathogens and environmental factors. Trees have many disease pathogens: viruses, bacteria, fungi, nematodes, mycoplasma-like organisms, and parasitic higher plants. Fungal pathogens are the most prevalent. They cause seed rots, seedling damping-off, root rots, foliage diseases, cankers, vascular wilts, diebacks, galls and tumors, trunk rots, and decays of aging trees. Unfavorable weather and environmental factors such as temperature and moisture extremes, high winds, or ice can damage trees directly and predispose the trees to pest attack.

All parts of a tree—roots, stems, foliage, shoots and terminal leaders—are vulnerable to attack by pests. Pest damage can range from slight damage that has no effect on the value of the harvested product to severe damage that stunts or kills the trees or reduces their market value. Tree pests include insects and mites, diseases, weeds, vertebrates, and nematodes. Managing tree pests effectively should be based on thorough consideration of ecological and economic factors.

Pesticides are a very important tool in Integrated pest management (IPM) when large pest populations threaten high-value trees. Knowledge of the pest's life cycle, selection of an appropriate pesticide, proper timing of the application, and use of the right application equipment will improve coverage and effectiveness. The ability to recognize beneficial bio control organisms, combined with cultural and mechanical controls, may allow to reduce, delay, or eliminate pesticide treatment of a minor pest problem. The method chosen to apply a pesticide will depend on the nature and habits of the target pest, the site, the pesticide, available application equipment and the cost and efficiency of alternative methods. The choice is often predetermined by one or more factors.

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- broadcast application is the uniform application of a pesticide to an entire area.
- A directed-spray application targets pests in a specific area in an effort to minimize pesticide contact with the crop or beneficial insects.
- Foliar application directs pesticide to the leafy portions of a plant. Spot treatment is application of a pesticide to small, discrete areas.
- Soil application places pesticide directly on or in the soil rather than on a growing plant.
- Soil incorporation is the use of tillage equipment to mix the pesticide with the soil.
- Soil injection is application of a pesticide beneath the soil surface.

b. Manure/compost/fertilizer:

Manures are plant and animal wastes that are used as sources of plant nutrients. They release nutrients after their decomposition. The art of collecting and using wastes from animal, human and vegetable sources for improving crop productivity is as old as agriculture. Manures are the organic materials derived from animal, human and plant residues which contain plant nutrients in complex organic forms. Naturally occurring or synthetic chemicals containing plant nutrients are called fertilizers. Manures with low nutrient content per unit quantity have longer residual effect besides improving soil physical properties compared to fertilizer with high nutrient.

Farmyard manure refers to the decomposed mixture of dung and urine of farm animals along with litter and left-over material from roughages or fodder fed to the cattle. On an average well decomposed 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 63+180

d. Plantation Protection Plan:

Once are plants 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

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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. Since, significant part of the project road is located in Wildlife area / close to wildlife so there is chance of damaging plant by wild animal.

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 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.

11. Benefit of tree plantation in terms of Greenhouse effect

Trees help by removing (sequestering) CO₂ from the atmosphere during photosynthesis to form carbohydrates

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part 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.

12. Abstract of estimated project cost:

The estimate is prepared based on market price and similar cost estimation for neighboring districts. The abstract of estimated cost of plantation including 5 years of maintenance is presented in Table 6 below:

Table 6: Cost of Plantation

SL	Type of Plantation	Unit cost of Plantation (Rs.)	Number of Plants	Cost (Rs.)
1.	Avenue Plantation	3000	11500.00	3,45,00,000.00
2.	Median Plantation	1200	25500.00	3,06,00,000.00
			37000.00	6,51,00,000.00
Total				
In words; six crores fifty-one lakhs only.				

13. Source of fund for implementation scheme

The concessionaire will be responsible for plantation and its maintenance; accordingly, the budget of this plantation scheme is included in project cost/

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Typical Cross sections of project road

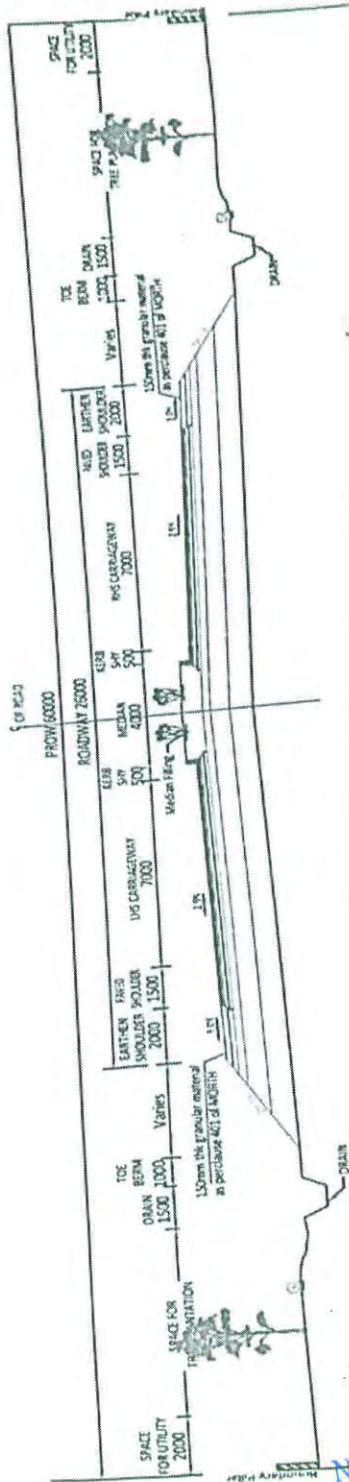


FIG. 2.4(A)
NEW CONSTRUCTION OF 4-LANE WITH PAVED SHOULDER (BYPASS)



FIG. 2.4(B)
Concentric widening & Reconstruction to 4-Lane with Paved shoulder

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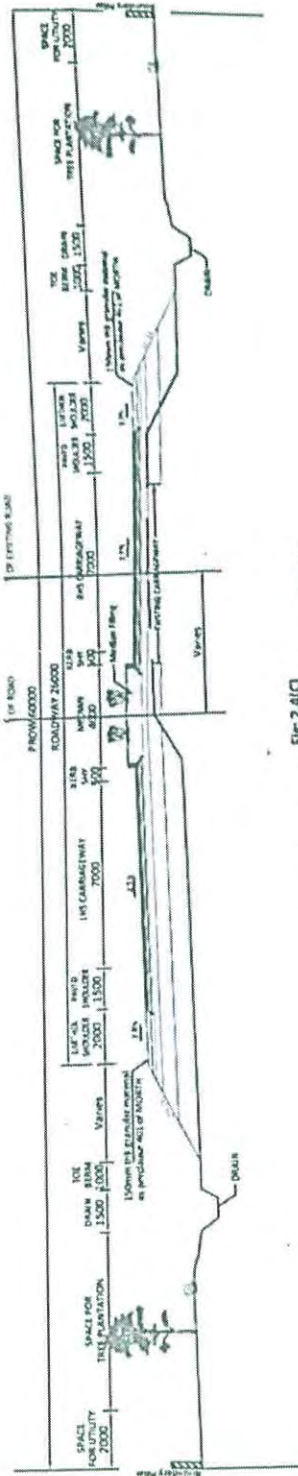


FIG. 2.4(C)
LHS ECCENTRIC WIDENING AND RECONSTRUCTION
TO 4-LANE WITH PAVED SHOULDER

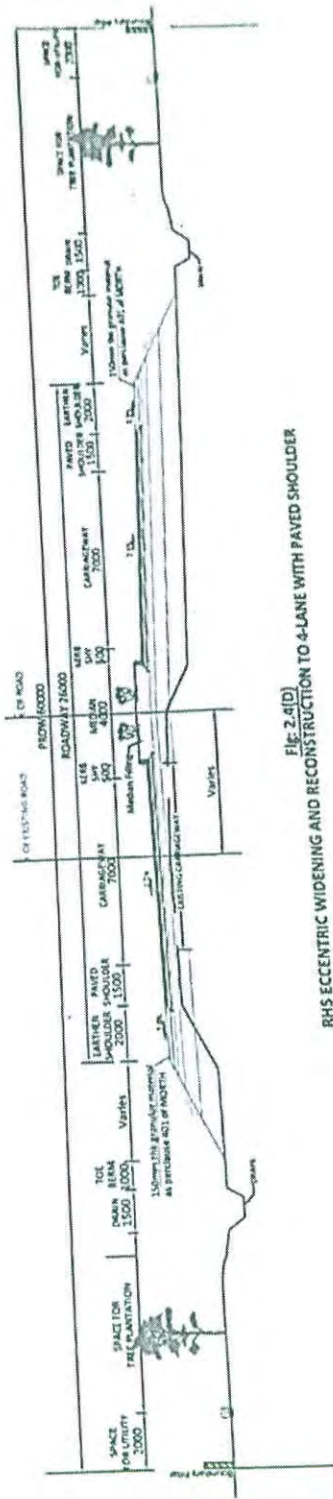


FIG. 2.4(D)
RHS ECCENTRIC WIDENING AND RECONSTRUCTION TO 4-LANE WITH PAVED SHOULDER

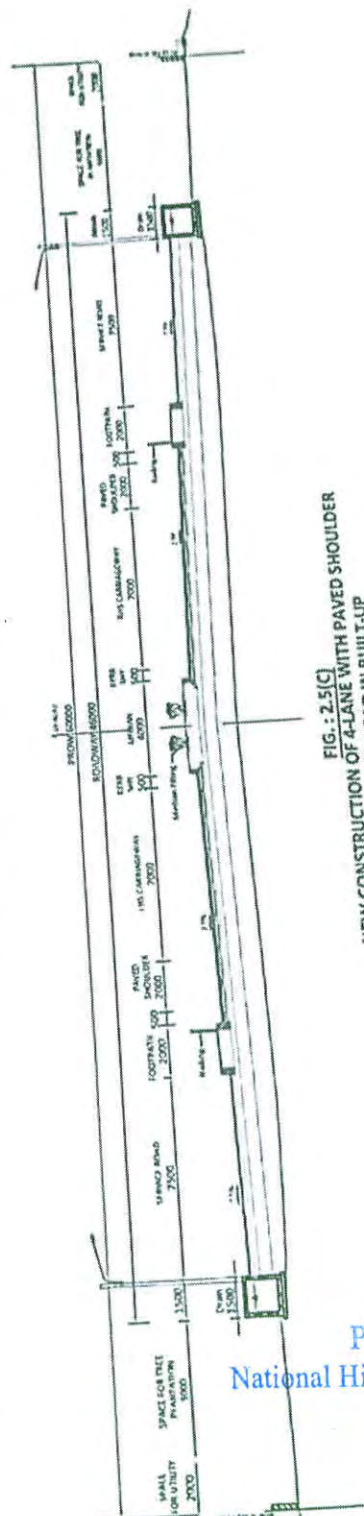
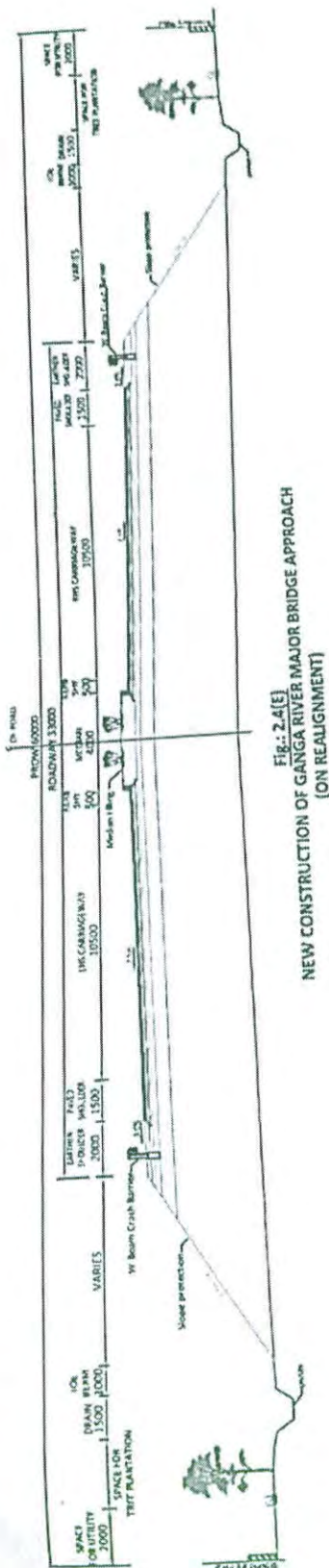
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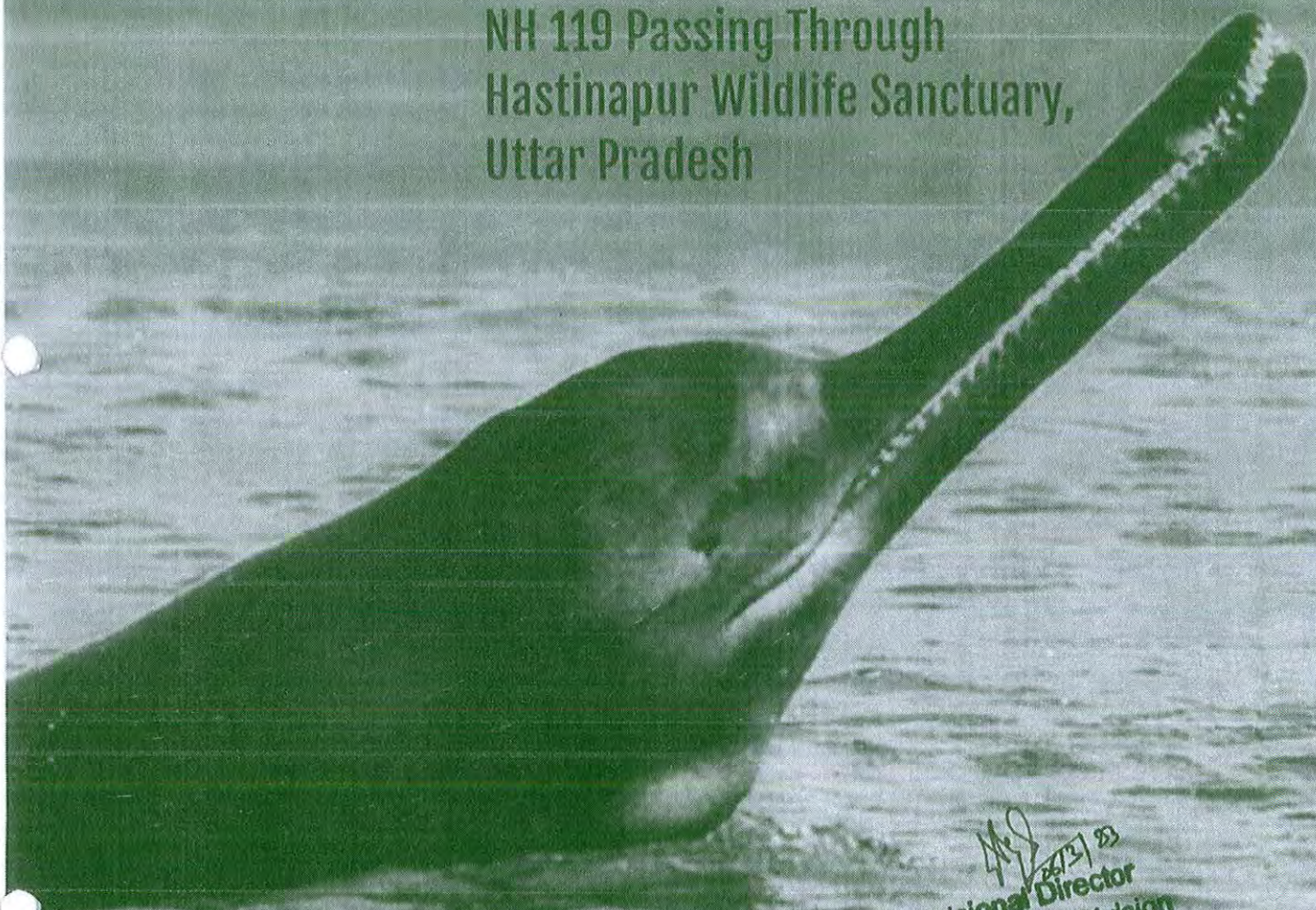
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**Mitigation Measures for the
Improvement and Up-gradation
to 4-lane Configuration of
Meerut-Nazibabad Section of
NH 119 Passing Through
Hastinapur Wildlife Sanctuary,
Uttar Pradesh**



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April - 2022

Mitigation Measures for the Improvement and Up-gradation to 4-lane Configuration of Meerut-Nazibabad Section of NH 119 Passing Through Hastinapur Wildlife Sanctuary, Uttar Pradesh

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Introduction

India has the second-largest road network in the world, spanning over 5.8 million km (IBEF 2021) and costing more than INR 6.26 lakh crore. More than 64.5% of all goods in the country are transported through roads, while about 90% of the total passenger traffic uses this road network to commute (Ministry of Road Transport & Highways 2020). The Indian Government launched the Bharatmala Pariyojana, which aims to build 66,100 km of economic corridors, border and coastal roads, and expressways to boost the highway network¹. It is envisaged that the programme will provide 4-lane connectivity to 550 districts, increase the vehicular speed by 20-25% and reduce the supply chain costs by 5-6%.

Earlier, when environmental protection was poorly regulated, protected areas (PAs) were managed as natural 'islands' that remained largely untouched by human influence (WII 2016). Today, it is understood and recognized that these 'islands' can no longer exist as individual identities and that they are part of larger, global matrix that need to interact for their survival – and the survival of biodiversity. Their survival is dependent on a wide variety of human and natural factors – some of which are disruption of contiguity as a result of construction and up-gradation of linear infrastructure. In India, forests cover a total of 21.34% of the country's land surface, out of which only 4.89% come under protection (WII 2016). Within many of these protected areas, roads, railway lines and transmission lines cut across the landscape, fragmenting (Taylor & Goldingay 2010) them and opening them to further exploitation and death. Wide-ranging species require contiguity of their habitat across landscapes. With the increase in extent of linear development in most landscapes, outside protected areas present a major challenge for wildlife management and conservation. The impact of roads and railway lines are similar, as they convert a strip of land into an area of fast-paced vehicles that can collide and maim/ kill both human and animal (Rendall et al. 2021). They also emit loud noises and lights that act as a deterrent and thus create a sense of physical barrier to the movement of animals (Rico et al. 2007; van der Ree et al. 2011; Shilling et al. 2020).

The need to harmonise linear development and biodiversity conservation is essential to both economic and ecological security. Wildlife crossing structures and mitigation strategies like underpasses (e.g., amphibian tunnel, badger pipe, ledges in culvert), overpasses (e.g., land bridge, rope bridge, glider pole), early – warning systems (Santos et al. 2017; Ford et al. 2017) etc. can help regulate and ensure safe movement of wildlife across roads and highways (WII 2016; Development Bank 2019; United States Department of Agriculture 2021).

Project Background

The National Highways Authority of India (NHAI) has proposed up-gradation and improvement of a 40 km section of the National Highway 119 between Meerut and

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Nazibabad in Uttar Pradesh. The total length of the road is 40.165 km, out of which 8.085 km of road traverses the Eco-Sensitive Zone (ESZ) of the Hastinapur Wildlife Sanctuary (HWLS), 1.830 km is outside HWLS, and remaining 30.250 km passes through HWLS. NH-119 is to be developed as 4 lane road to provide alternative connectivity to Haridwar to relieve pressure on Delhi – Haridwar National Highway (NH 58) during the annual pilgrimage of Shiva devotees during the 'Shravan' months i.e. monsoon. Hundreds of thousands of devotees from surrounding states of Delhi, Uttar Pradesh, Haryana, Rajasthan, Punjab, Bihar, Jharkhand, Chhattisgarh and Madhya Pradesh reach these places to participate in Kanwar Mela. Heavy security measures are undertaken by the government and the traffic on the Delhi – Haridwar National Highway (NH 58) and is diverted to NH 119 (presently 2 lane) for the period. The project road provides connectivity from take-off point at NH-58 to NH-119 (near Meerut) and at terminal point on Nazibabad on NH-74 to ensure seamless movement of traffic on NH-58, NH-74 & NH-119.

Project Site

The proposed up-gradation of NH-119 traverses the Hastinapur Wildlife Sanctuary (HWLS) for a total length of 40.165 km, of which 8.085 km of road traverses the Eco-Sensitive Zone (ESZ) of the HWLS, 1.830 km is outside HWLS, and remaining 30.250 km passes through HWLS. The sanctuary covers an area of 2037 sq. km. of which 239.41 sq. km. comprises of the ESZ.

HWLS is situated between 29.5799° and 28.7538° latitude, and 77.9009° and 78.1372° longitude in the state of Uttar Pradesh. It is spread across 5 districts in the state of Uttar Pradesh, namely – Meerut, Bijnor, Muzaffarnagar, Hapur and Amroha. The altitude of the area ranges between 130 and 150 m above mean sea level (Khanal et al. 2013). This sanctuary was notified to specifically provide protection to a niche specific mega-herbivore, the swamp deer (*Rucervus duvaucelii duvaucelii*) (Kumar et al. 2021). It is also home to other mammals like leopard (*Panthera pardus*), striped hyena (*Hyaena hyaena*), nilgai (*Boselaphus tragocamelus*), and spotted deer (*Axis axis*) among other animals (Ramsar 2021).

Haiderpur Wetland, a Ramsar site (Ramsar 2021) is located in Muzaffarnagar and Bijnor Districts of Uttar Pradesh in the northern part of India, has an area of 60.98 sq. km. Towards the east of the wetland is River Ganga, to the west is Nizampur and Haiderpur Reserve Forest and Bijnor Barrage on the south of the wetland. Haiderpur Wetland came into existence in 1984 after the construction of Madhya Ganga Barrage on River Ganga, about 10 km west of Bijnor city and is located within the boundaries of Hastinapur Wildlife Sanctuary. The entire wetland is thus protected under India's Wildlife (Protection) Act, 1972. This freshwater human-made wetland receives backwater flow from River Ganga during monsoons and retains water till the end of February. It comprises varied deep upstream reservoir, shallow flooded land and stretches of river (Ganga and Solani). In addition to the perennially inundated patches, the wetland boundary also takes into account the seasonal patches and ecologically sensitive areas between these patches. This mosaic is the key to the rich biodiversity

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associated with the wetland and hence has been included in the wetland boundary. Haiderpur Wetland at least 32 species of plants, over 300 species of birds of which 102 species are water birds, more than 40 species of fishes and at least 10 species of mammals including Ganges River Dolphin (*Platanista gangetica*). The site also serves as a breeding ground for the near-threatened Indian Grassbird (*Graminicola bengalensis*) and nesting site for gharials (*Gavialis gangeticus*) ("Haiderpur Wetland" 2021).

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Bijnor Barrage on River Ganga on NH - 119

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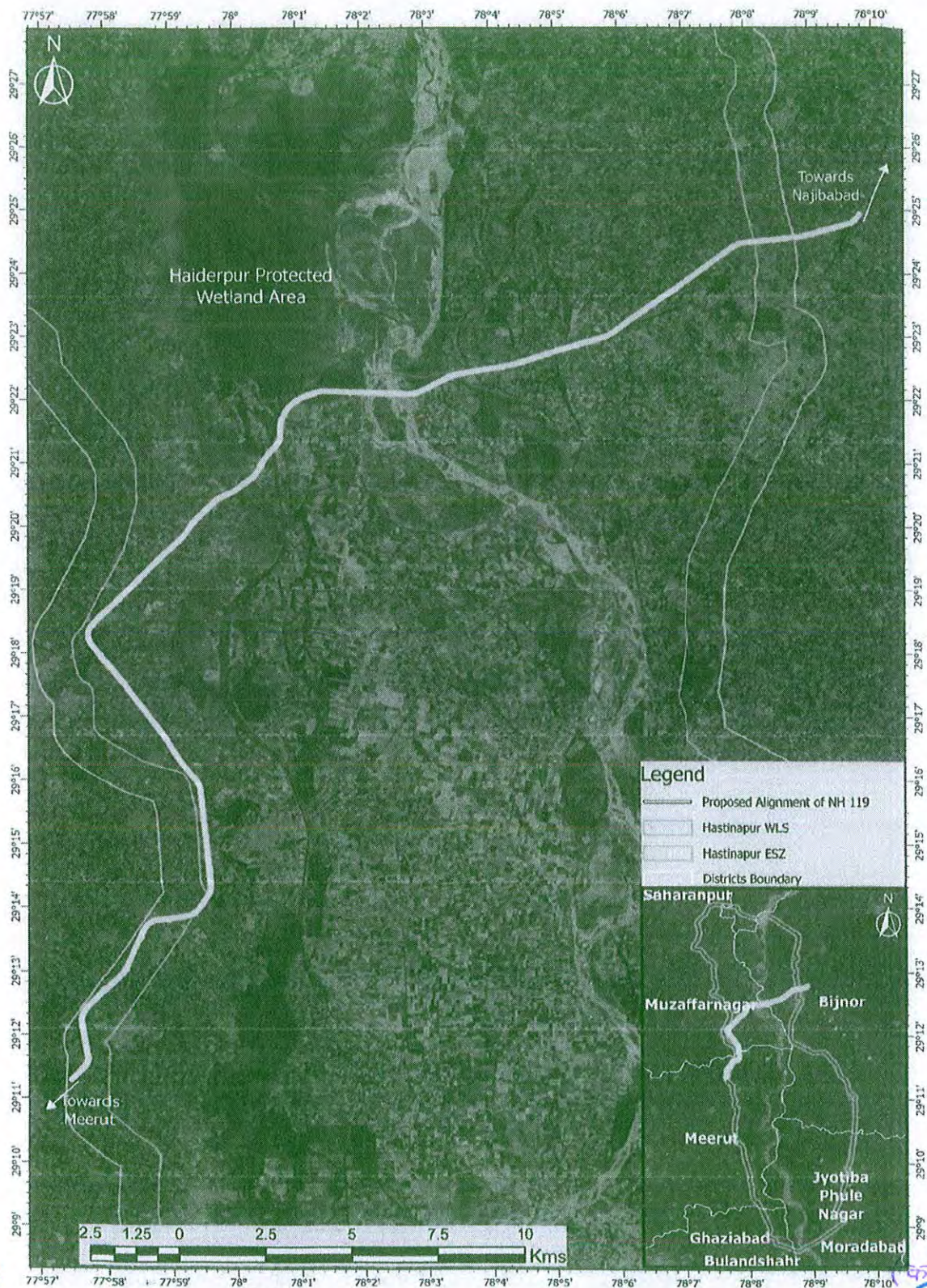


Figure 1: Proposed alignment of the National Highway 119 passing through Hastinapur Wildlife Sanctuary and ESZ.

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Projected impacts of the highway up-gradation

The proposed up-gradation of NH-119 passes through the Hastinapur Wildlife Sanctuary covering a total length of the road is 40.165 km, out of which 8.085 km of road traverses the Eco-Sensitive Zone (ESZ) of the Hastinapur Wildlife Sanctuary (HWLS), 1.830 km is outside HWLS, and remaining 30.250 km passes through HWLS.

The impact of roads and railway lines are similar, as they convert a strip of land into an area of fast-paced vehicles that can collide and maim/ kill both human and animal (Rendall et al. 2021). Widening of the roads for up-gradation will amplify their negative impacts on wildlife. Not only will the animal be present on the road for a longer duration while crossing (Rendall et al. 2021) especially for larger slow moving species (Saxena et al. 2020), they will also be more prone to getting hit by vehicle due to higher speed limits on vehicles (Jackson 2000; Dennehy et al. 2021). They also emit loud noises and lights that act as a deterrent and are also known to influence bird nesting (Rao & Koli 2017) and alter small mammal populations (Roedenbeck et al. 2007). Increased traffic intensity, fast-paced traffic along with higher probability of wildlife-vehicle collisions therefore creates a sense of physical barrier to the movement of animals (Rico et al. 2007; van der Ree et al. 2011; Shilling et al. 2020) as well as poses a threat to human life (Taylor & Goldingay 2010; Diaz-Varela et al. 2011; Kučas & Balčiauskas 2021).

WII's involvement

The National Highways authority of India (NHAI) has proposed up-gradation and improvement of a 40 km section of the National Highway 119 between Meerut and Nazibabad in Uttar Pradesh. The NHAI has requested WII to conduct a biodiversity impact assessment, wildlife study, and to prepare a mitigation and conservation plan for the project vide letter NHAI/PIU-MrT/66011/2021/D-22365 dated 30th July, 2021. Directives to conduct the study were also issued by the Principal Chief Conservator of Forests (HoFF), Lucknow, vide letter Desk-2870/26-11 NH-119 (43253/2019) dated 8th September 2021. A study plan was subsequently submitted by WII, and field work and desk studies were subsequently conducted.

Objectives of the study

To avoid, minimize and remedy the adverse impacts of the proposed up-gradation to 4-lane configuration of Meerut-Nazibabad section of NH-119, Uttar Pradesh on biodiversity values of the protected area, reserve forests and maintain connectivity in the larger landscape through appropriate planning and mitigation measures. The objectives of the assessments are as follows:

1. To identify critical wildlife areas across the stretch of highway segment to be upgraded.

2. To suggest mitigation measures considering animal movement and presence locations in the study area.

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1. Identification of critical wildlife areas across the stretch of highway segment to be upgraded

Methods

A team of WII biologists accompanied by local forest department personnel surveyed the entire stretch of the highway (38.335 km) to assess potentially important wildlife areas and crossing points based on animal signs, direct sightings (presence) and landscape features. During two intensive surveys, we considered direct sightings of animals, presence of carcasses, and other signs such as pug/ hoof marks and scat/ pellet/ dung as evidence of animal presence.

Locations of regular animal crossing locations as well as important bird sites (including Haiderpur Wetland) were also recorded based on information from beat guards. All the spatial information was recorded, including GPS locations of the signs, sightings and crossing locations.

We also conducted spatial characterization of area around proposed alignment to be upgraded to identify land-use land-cover types that are important in the context of wildlife and bird presence/movement.

We used high resolution optical satellite data i.e. Sentinel-2 imagery. Sentinel-2 Level-2 data with band composition of red (R), green (G), blue (B), near-infrared (NIR) and short-wave infrared (SWIR) for the year 2021. The data after monsoon season was stacked together to include the pixel value of the region for each season and then it was reduced to calculate mean for further processing. Only RGB, NIR and SWIR was used from the sentinel data as they have same spatial resolution i.e. 10 meters, and because normalized difference vegetation index (NDVI) and normalized difference water index (NDWI), can be computed using red and NIR band, and NIR and SWIR respectively. The analysis work has been done in Google Earth Engine (GEE).

An effective classification system and an adequate number of training samples are the basic requirements for a good classification. The land cover was divided into 5 major classes – Water Bodies, Forest, Built-up, Grassland and Agricultural land. Grassland and forest land have been classified using NDVI index, while water class is demarcated using NDWI index, and normalized difference built-up index (NDBI) helps in identification of built-up area. The classification method used for this is random forest classifier. Random forest, like its name implies, consists of a large number of individual decision trees that operate as an ensemble. Each individual tree in the random forest spits out a class prediction and the class with the most votes becomes our model's prediction. These large number of relatively uncorrelated models (also represented as trees in the classifier) operating as a group will outdo any of the individual constituent models.

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existing and proposed highway to identify important animal corridors and crossing points intersected by the highway.

Finally, all animal presence locations, records of endangered and rare birds and nesting sites were collated and overlaid with the spatial characterization layer in the GIS domain to identify critical areas for mitigation in the area.

Results

We found that most of the new and existing alignment of the highway passes through agricultural land (Fig. 2). The forests lie near the Haiderpur Wetland, and some riverine grasslands near the barrage.

We found 2 potential areas of importance from the wildlife perspective (Fig. 2 (a) and (b)):

- a) The grassland patch near the barrage which is part of the Haiderpur Wetland has been reported to be the breeding site of vulnerable bristled Grassbird (*Schoenicola striatus*) and near-threatened Indian Grassbird (*Graminicola bengalensis*). The area is also known to host the critically endangered yellow-breasted bunting (*Emberiza aureola*) whose population has been rapidly declining (IANS 2021).

- b) An 800 m stretch of the road having forest cover on both the side. This stretch is being used by animals like spotted deer and nilgai (Meerut Bureau 2019) to cross. The segment lies between chainages 60/250 – 61/050.

Gharial with hatchlings



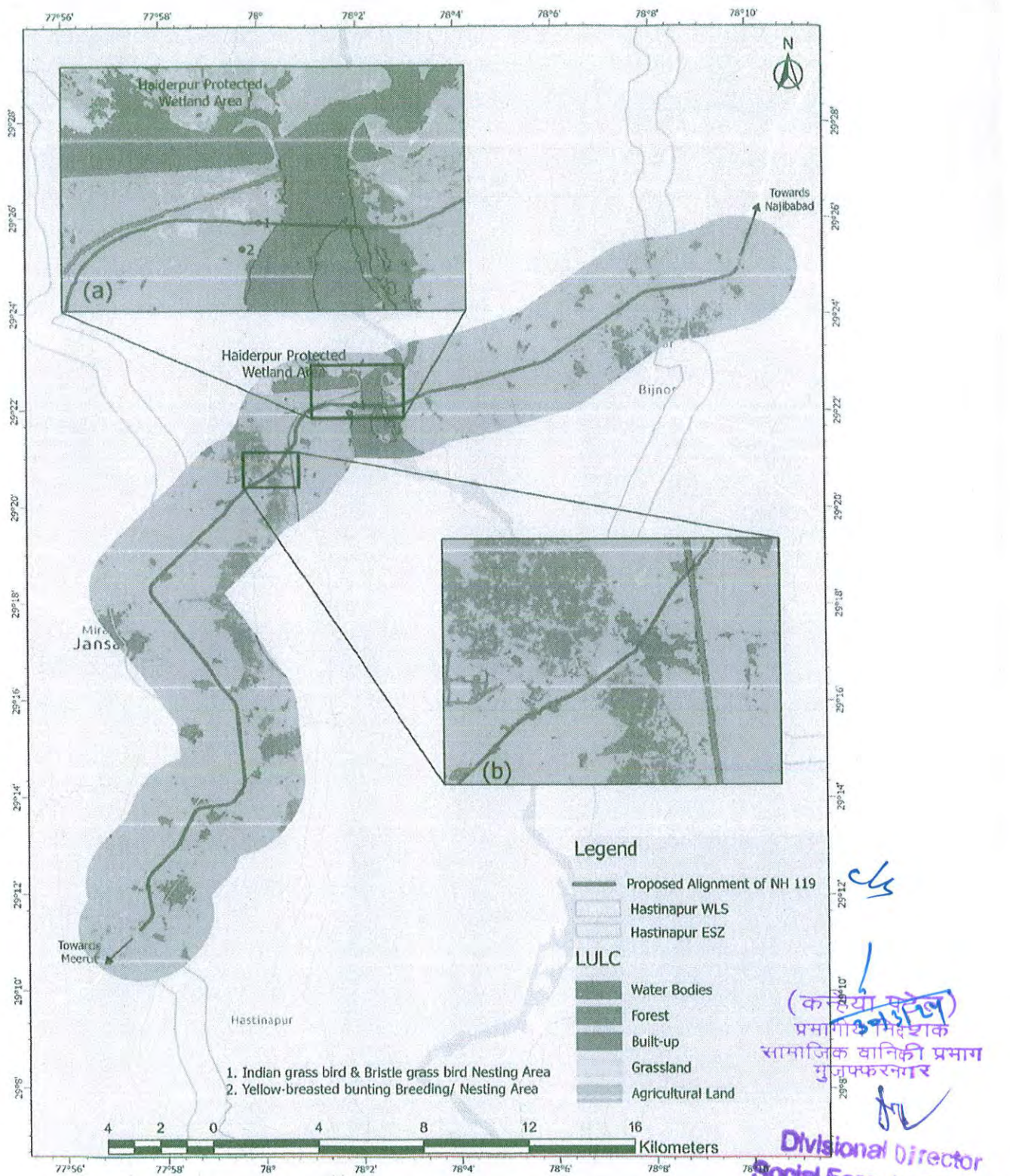


Figure 2: Consolidated map of LULC classes on 2 km buffer on either side of the proposed alignment of National Highway 119, and ((a) and (b)) important sites identified for wildlife and birds).

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2. Mitigation measures considering animal movement and presence in the study area

We evaluated existing structures on the highway and assessed the scope of additional measures on identifying priority animal crossings on the basis of these presence points, and assessed possible mitigation measures for the up-gradation of the highway.

Results

With respect to the two priority sites, the following specific measures are recommended. These recommendations have also been summarized in Table 1.

- For the identified important bird breeding sites, which is also in close proximity to the Haiderpur Wetland, the alignment of the highway should be aligned along the forest edge in a way so as to avoid the grassland habitat lying to the south of the wetland and breeding sites. The bridge on the new alignment should start elevating at chainage 63/250 and the pillars are to be built on the edge of the forest patch with light and sound barriers. The alignment would then join the proposed alignment at chainage 65/250 (Fig. 3). Given the reported presence of Gangetic dolphin and gharial in the area, measures to reduce disturbance to aquatic fauna should be implemented at all stages of the construction of the highway. The height of the proposed bridge should be 9-11 m to reduce the impact on aquatic life. Disturbance to the river bank should be minimised as much as possible. Water and sand from the river should not be used for construction purposes.
- For the 800 m segment of the highway passing through forested area (chainage 60/250 – 61/050), two 50 m underpasses of 5 m height are recommended (Fig. 4).

Table 1: Summary of mitigation measures recommended on NH 119 proposed for up-gradation passing through the Hastinapur Wildlife Sanctuary and ESZ

Segment	Mitigation measures recommended	Chainage
(a) Highway alignment south of the Haiderpur Wetland.	Elevated structure to be provided in the forest patch with minor – realignment along the edge of the forest patch.	63/250 – 65/250
(b) 800 m segment passing through forested patch	Two animal underpasses measuring 50 m each	60/350 – 60/400 and 60/750 – 60/800
	Fencing	60/250 – 61/050

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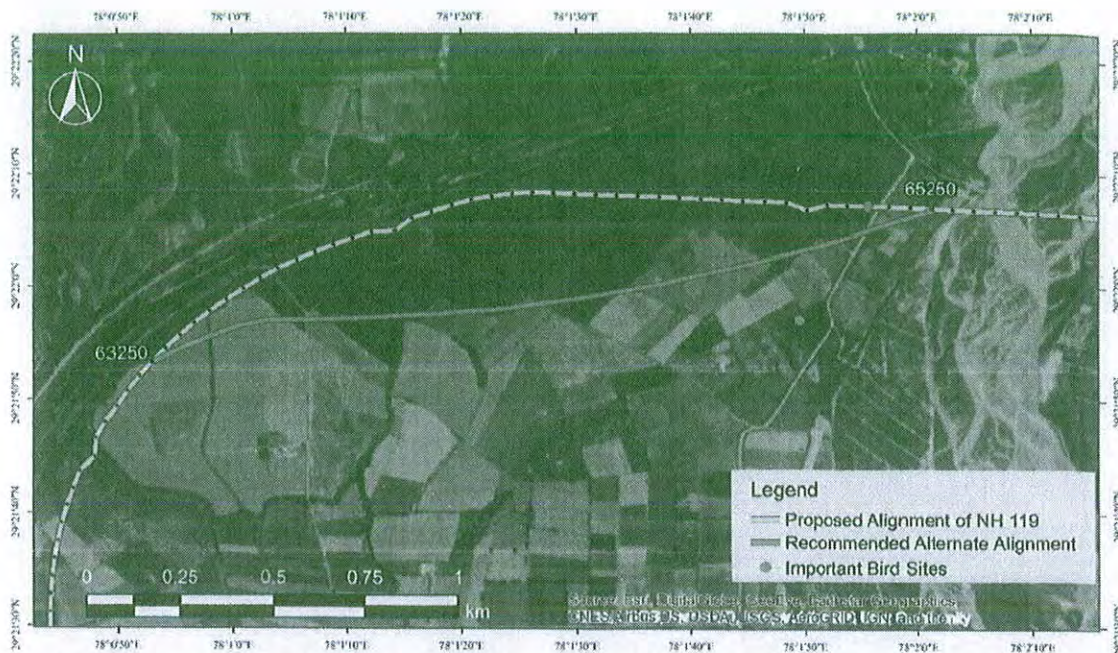


Figure 3: Proposed alignment of NH 119 (red line) around important bird breeding sites on the grasslands south of the Haiderpur Wetland, between chainage 63/250 and 65/250
(Red – line does not represent exact alignment – only for representation to show alignment along the forest edge).

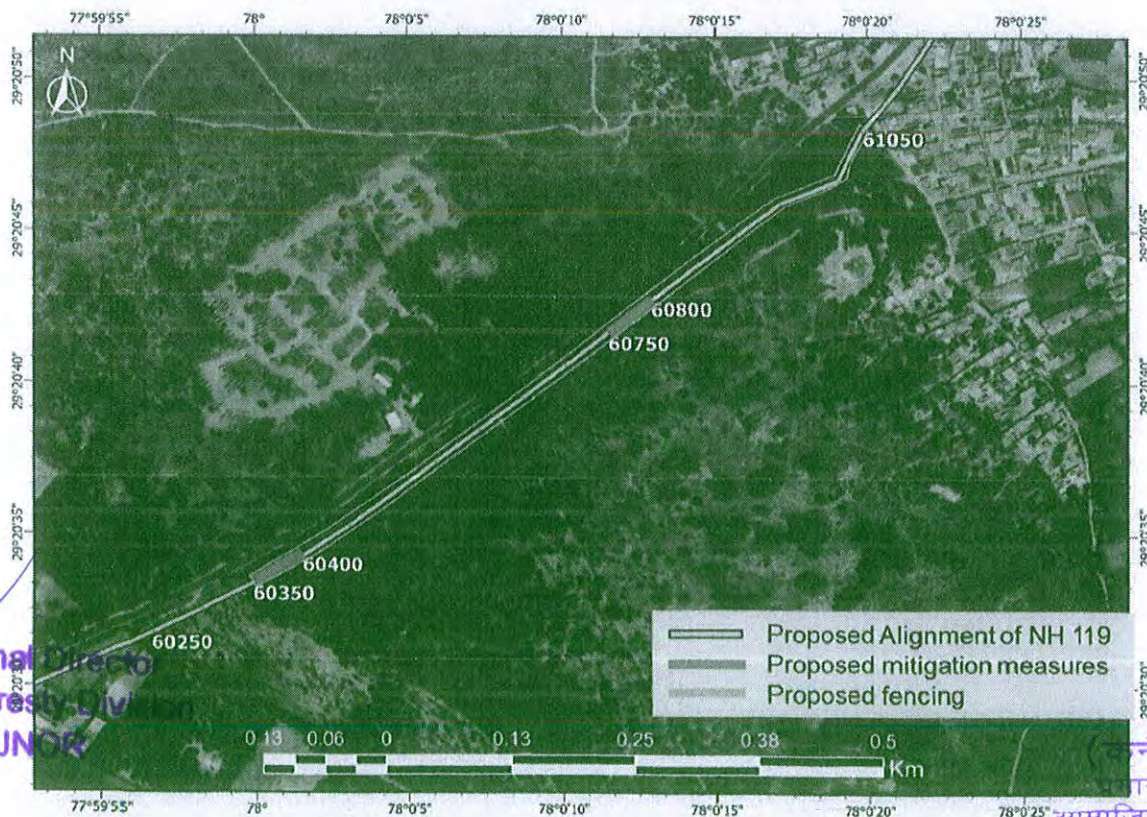


Figure 4: Proposed mitigation measures on NH 119 between chainage 60/250 and 61/050.
Red lines indicate locations of two proposed 50 m wildlife underpasses, grey line indicates stretch of the highway to be fenced.

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Photograph showing grassland patch – the alignment should be at the edge of the patch, not through the middle of this patch.



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Indian Grassbird reported from the grassland patch near the barrage.

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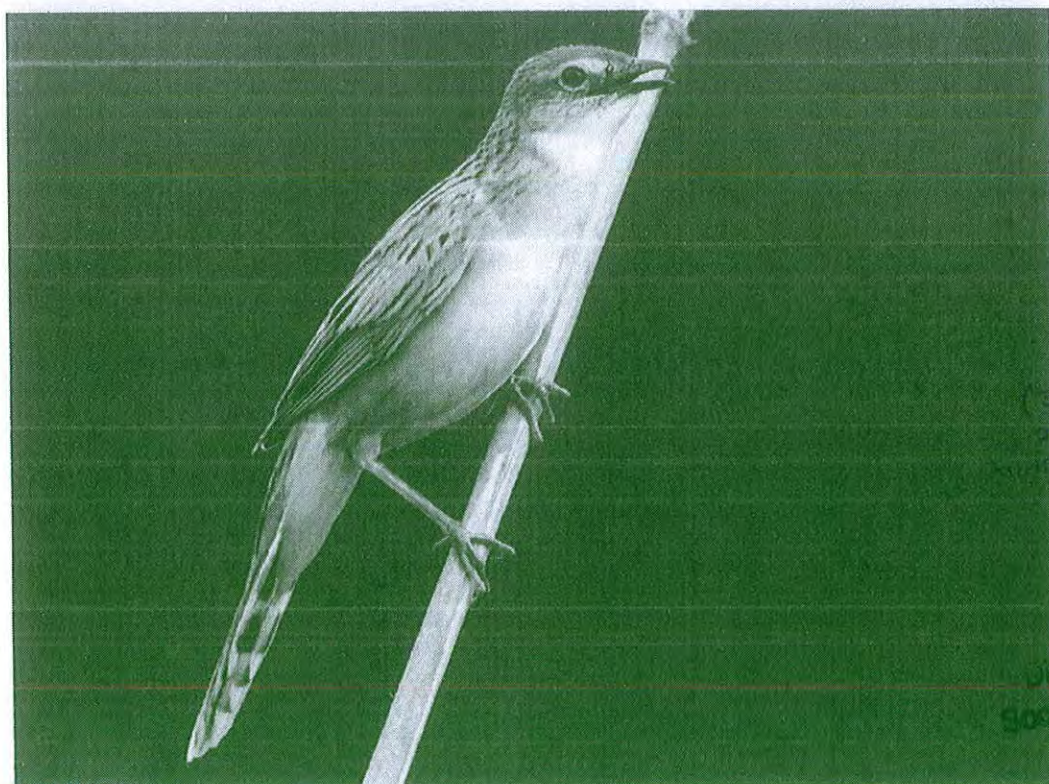
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Yellow-breasted bunting reported from the grassland patch near the barrage.



Bristled Grassbird reported from the grassland patch near the barrage.

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General Recommendations

1. Construction near the barrage and important bird sites shall be avoided during winters i.e., time of visit of migratory birds to the wetland and barrage.
2. The height of all bridges, box culverts and other drainage structures (including those in agricultural areas) should not be less than 3 m. The minimum width of all box culverts should not be less than 5 m. The minimum height should not be achieved by ground excavation but by elevating the road.
3. Divisions between the crossing structures should be of pillar type, instead of wall-type (Fig. 5).

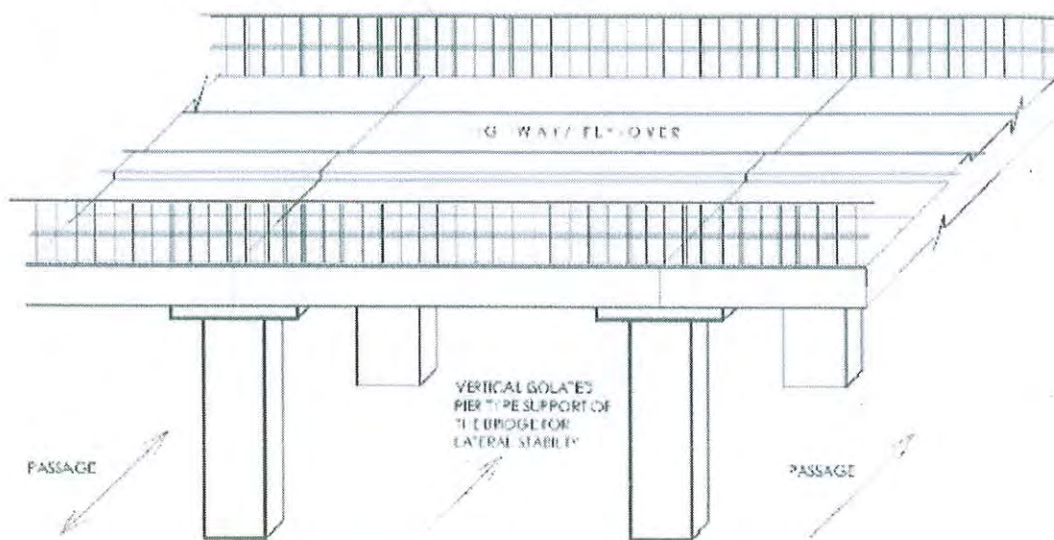


Figure 5: Pillar-type division of bridge

4. The underpasses must be kept free of all human-related activities and disturbances including foot-trails and roads, as these have a negative influence on the use of crossing structures by wildlife. The existing road under the proposed crossing structures between chainages 60/350 and 61/050 should be removed post-construction of the crossing structures. Only the access road from the north side of the highway towards the timber depot near the highway should be used.

5. Noise and sound barriers (2 m high) should be installed along the entire stretch of the highway passing through sensitive areas, which would also act as fencing to prevent animals from entering the road corridor. The top ends of the barrier should be turning outwards or be slightly tilted/angled outwards (Fig. 6), to reduce inward propagation of noise (and subsequently within the crossing structure via the gap in the median). Additionally a fibre glass covering should

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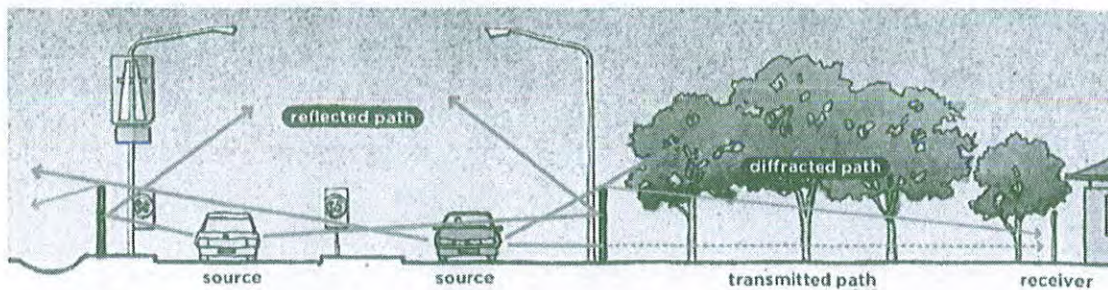
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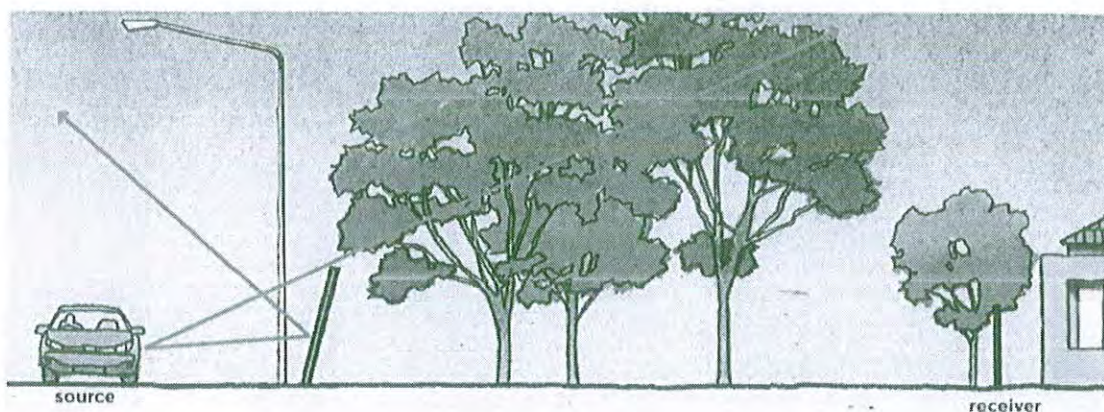
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be installed on top of the median opening to reduce ingress of noise into the crossing structures.



Reflective paths can add to noise and need to be considered.



Tilted noise barriers can direct noise away from the receiver.

Figure 6: Barriers for attenuating noise along the highway showing reflected noise (top); tilted noise barriers for minimising reflected noise (bottom).

(Source: Noise wall design guideline, Centre for Urban Design, NSW Government).

6. Cattle guards (2 m wide) must be installed at both ends of all structures to stop wild and domestic animals from getting trapped within the fences/barriers (Fig. 7).

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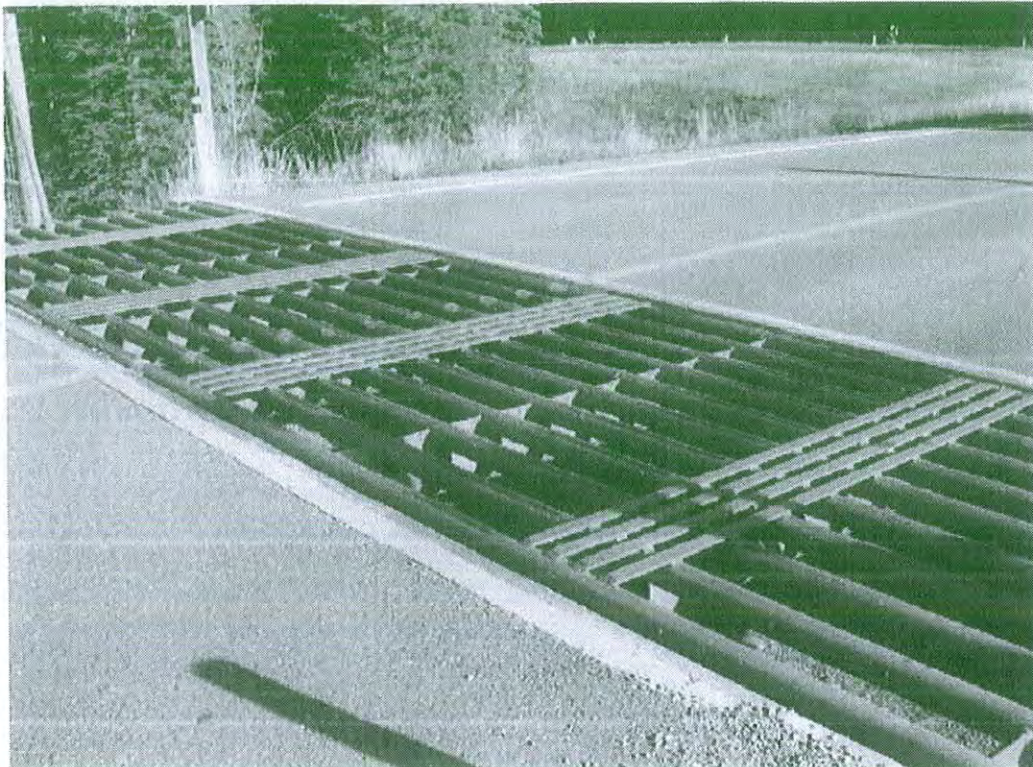


Figure 7: Cattle guards/grids to be installed at both ends of the crossing structure on NH 119 at Chainage 60/350 and 61/050.
Source: (Clevenger & Huijser 2011)

7. Disturbance during construction in the sensitive areas is to be kept minimum by the following mechanisms:
 - Use of pre-fabricated materials for construction
 - Use of water from sources other than the river
 - Disposal of construction-related debris away from the sensitive sites
 - Prohibition on camping of construction personnel near these sites
8. Post-construction rehabilitation of uprooted grassland and riverine vegetation is to be done using native flora in collaboration with forest department. No avenue plantation or planting of fruit-bearing trees should be done along the sensitive stretches of the highway.
9. Site-specific measures to avoid water pollution and siltation are to be employed including use of oil interceptors.
10. Warning and information boards for awareness should be erected along the highway regarding the ecological importance of the area.

11. Both sensitive stretches should be declared no honking and no stopping/parking zones.

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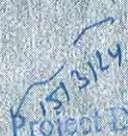
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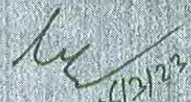
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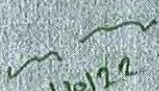

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2- उक्त कार्यालय ज्ञाप दिनांक 19-7-99 को सं० 07-01-2013 में पारित आदेशों के अनुपालन में आंशिक संशोधन किया जाता है :-

“भारतीय राष्ट्रीय राजमार्ग प्राधिकरण को कार्यालय-ज्ञाप दिनांक 19-7-1999 के प्रस्तर-1(3) के अनुसार बाजार दर पर भूखंड (प्रीमियम) व उसके 10 प्रतिशत वनराशि के बराबर वार्षिक लीज रेंट के भुगतान के प्राविधान से छूट प्रदान किया जाता है।”

3- उक्त के अतिरिक्त कार्यालय-ज्ञाप संख्या- सं०-655/14-2-600 (51)/1999, दिनांक 19 जुलाई, 1999 यथावत् रहेगा।

सी० एन० गंगी
प्रमुख सचिव

संख्या व दिनांक तदैव

प्रतिलिपि निम्नलिखित को सूचनाएं एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- 1- प्रमुख सचिव, वित्त विभाग, उ०प्र० शासन।
- 2- सचिव, वित्त (व्यय-नियंत्रण) उ०प्र० शासन।
- 3- प्रमुख सचिव, लोक निर्माण विभाग, उ०प्र० शासन।
- 4- प्रमुख वन संरक्षक, उ०प्र० लखनऊ।
- 5- प्रबन्ध निदेशक, उ० प्र० वन विभाग, लखनऊ।
- 6- वित्त (व्यय-नियंत्रण) अनुभाग-9, उ०प्र० शासन।
- 7- गोपन अनुभाग को उनके अशासकीय पत्र संख्या-472/1/2013-सी०एच०(1), दिनांक 07-01-2013 के सन्दर्भ में।
- 8- गार्ड फाइल।

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