

# कार्यालय प्रभागीय वनाधिकारी वन एवं वन्य जीव प्रभाग, शाहजहांपुर।

पत्रांक / 14-1 शाहजहांपुर दिनांक 03/08/2022

4325

सेवा में

वन संरक्षक एवं क्षेत्रीय निदेशक  
सा0वा0 बरेली वृत्त बरेली

विषय-

भारतीय राष्ट्रीय राज मार्ग प्राधिकरण बरेली द्वारा जनपद शाहजहांपुर के अर्न्तगत (शाहजहांपुर से ग्राम बरा की सीमा तक) राष्ट्रीय राजमार्ग सं0-731 के किमी0 40.00 से 88.750 के मध्य कुल 48.750 किमी0 की दूरी में 02 लेन पेड शोल्डर मार्ग चौड़ीकरण में प्रभावित 26.4080 हे0 सरसित वन भूमि के गैर वानिकी प्रयोग की अनुमति एवं बाधक 4731 वृक्षों के पातन/ट्रांसप्लान्ट की अनुमति के सम्बंध में।

सन्दर्भ-

भारत सरकार का पत्र सं0-8बी/यू0पी/06/55/2022/एफ0सी0/195 दिनांक 17-05-2022 एवं मुख्य वन संरक्षक का पत्रांक सं0-3281/11-सी0 दिनांक 20-05-2022

महोदय,

उपरोक्त विषयक संदर्भित पत्र के क्रम में वांछित बिन्दु सं0-1 से 10 तक की सूचना चाही गयी थी जो 04 प्रतियों में संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित है-

Observe No	Observation GOI	Reply
1	2	3
1	Attribute has not been given in the kml file of the proposed diverted area. Revised kml file of the area proposed for diversion with proper attributes (forest and non-forest area) has to be submitted.	Revised kml file की सी0डो0 (04 नम) में संलग्न है। (संलग्नक- 1)
2	The proposed CA land in Manchi Range is overlapping (approx. 40% area) with another project SA Site, this needs rectification.	The proposed CA land in Manchi Range is overlapping के सम्बन्ध में प्रभागीय वनाधिकारी सोनभद्र वन प्रभाग का पत्रांक सं0-3037/33 दिनांक 28-05-2022 मय डी0एल0एल0 सूचना के साथ 04 प्रतियों में संलग्न है। (संलग्नक- 2)
3	Cost benefit analysis needs to be reworked in view of revised rates of NPV.	संलग्न है। (संलग्नक- 3)
4	Detailed muck calculation and muck disposal scheme as approved by concerned DFO needs to be A submitted.	संलग्न है। (संलग्नक-4)
5	The NOC of irrigation department needs to be submitted.	बचन बढ़ता प्रमाण पत्र संलग्न है। (संलग्नक- 5)
6	Scheme for Roadside plantation needs to be submitted.	बचन बढ़ता प्रमाण पत्र संलग्न है। (संलग्नक- 6)
7	Strip Map & Linear Plan of NH-73 with Project Coordinates has to be re-uploaded on PARIVESH portal as the uploaded file is corrupt.	Strip Map & Linear Plan पुनः PARIVESH portal पर अपलोड कर दिये गये हैं।
8	Administrative approval/sanction letter of project needs to be submitted.	कार्यकारिणी समिति की 449वीं बैठक के कार्यवृत्त में परियोजना संस्थान का उल्लेख है। (संलग्नक- 7)
9	Status of widening before and after the proposed alignment needs to be clarified.	सूचना संलग्न है। (संलग्नक- 8)
10	Component wise breakup of land required and component wise area calculation with the layout plan needs to be submitted.	प्रस्ताव के पेज सं0-35 से 32 में संलग्न है।

संलग्नक:- उपरोक्तानुसार।

भवदीय

A. K. K.

(आदर्श कुमार)

प्रभागीय वनाधिकारी,  
वन एवं वन्य जीव प्रभाग,  
शाहजहांपुर।

पत्रांक

उक्तदिनांकित

प्रतिलिपि - निम्नलिखित को सूचनाार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित-

1:- मुख्य वन संरक्षक/नोडल अधिकारी उ0प्र0 लखनऊ।

2:- परियोजना निदेशक राष्ट्रीय राजमार्ग प्राधिकरण-26 ग्रीन पार्क बीसलपुर रोड बरेली।

(आदर्श कुमार)

प्रभागीय वनाधिकारी,  
वन एवं वन्य जीव प्रभाग,  
शाहजहांपुर।

## कार्यालय प्रभागीय वनाधिकारी, सोनभद्र वन प्रभाग सोनभद्र।

पत्रांक- 3037 / सोनभद्र / 33 , दिनांक, रावर्टसगंज, मई 28 , 2022  
सेवा में,

प्रभागीय वनाधिकारी,  
वन एवं वन्य जीव प्रभाग,  
शाहजहांपुर।

**विषय-** भारतीय राष्ट्रीय राज मार्ग प्राधिकरण बरेली द्वारा जनपद शाहजहांपुर के अन्तर्गत (शाहजहांपुर के ग्राम बरा की सीमा तक) राष्ट्रीय राजमार्ग संख्या-731 के किमी 40.00 से 80.750 किमी दूरी में 02 लेन पेव्ड शोल्डर मार्ग चौड़ीकरण में प्रभावित 26.4080 हे० संरक्षित वनभूमि के गैर वानिकी प्रयोग की अनुमति एवं बाधक 4731 वृक्षों के पातन/ट्रांसप्लान्ट की अनुमति के सम्बन्ध में।

**सन्दर्भ-** भारत सरकार का पत्र सं०-8बी/यू०पी०/०६/५५/२०२२/एफ०सी०/१९५ दिनांक 17.05.2022, मुख्य वन संरक्षक का पत्रांक- 3281/11-सी० दिनांक 20.05.2022 एवं आपका पत्रांक- 4142/14-1 शाहजहांपुर दिनांक 24.05.2022।

महोदय,

उपरोक्त विषयक सन्दर्भित पत्रों के माध्यम से अवगत कराया गया है कि जनपद शाहजहांपुर के अन्तर्गत विषयक परियोजना के सापेक्ष इस वन प्रभाग के अन्तर्गत मांची रेंज में प्रस्तावित क्षतिपूरक वृक्षारोपण स्थल का 40 प्रतिशत भाग अन्य किसी परियोजना में प्रस्तावित क्षतिपूरक वृक्षारोपण स्थल से अतिछादी (Overlap) है, के सम्बन्ध में अवगत कराना है कि इस वन प्रभाग के अन्तर्गत चयनित/प्रस्तावित क्षतिपूरक वृक्षारोपण स्थलों (के०एम०एल० फाइल) का अवलोकन किया गया परन्तु कोई भी चयनित/प्रस्तावित स्थल अन्य किसी परियोजना में प्रस्तावित क्षतिपूरक वृक्षारोपण स्थलों (के०एम०एल० फाइल) से अतिछादी (Overlap) नहीं है।

क्षतिपूरक वृक्षारोपण हेतु प्रस्तावित स्थल (अवनत वनभूमि का चयन) नियमानुसार अपर प्रधान मुख्य वन संरक्षक आई०टी०सेल० उ०प्र० लखनऊ से DSS Analysis कराने के उपरान्त ही चयनित किया गया है। सुलभ सन्दर्भ हेतु अपर प्रधान मुख्य वन संरक्षक आई०टी०सेल० उ०प्र० लखनऊ की DSS Analysis रिपोर्ट संलग्न है।

संलग्नक-उपरोक्तानुसार।

भवदीय

sk

(संजीव कुमार सिंह)  
प्रभागीय वनाधिकारी  
सोनभद्र वन प्रभाग सोनभद्र।

(संजीव कुमार सिंह)  
प्रभागीय वनाधिकारी  
वन एवं वन्य जीव प्रभाग  
शाहजहांपुर

कार्यालय अपर प्रधान मुख्य वन संरक्षक (आई0टी0), उ0प्र0, लखनऊ।

(वेबसाइट- www.upforest.gov.in. ई मेल-apefit-up@nic.in. फोन नं0-0522-2716619)

पत्रांक- प२६ / 12-42-2 (जी0आई0एस0), लखनऊ, दिनांक, मार्च, 07 2022

सेवा में,

प्रभागीय वनाधिकारी,  
सोनमद्र वन प्रभाग,  
सोनमद्र।

विषय-

वन (संरक्षण) अधिनियम-1980 को अन्तर्गत वन भूमि के गैर वानिकी प्रयोग की अनुमति से सम्बन्धित परियोजनाओं में क्षतिपूरक वृक्षारोपण हेतु चयनित अवनत वनभूमि का, भूमि के शुद्ध क्षेत्रफल हेतु 5 हे0 क्षेत्रफल से अधिक चयनित स्थलों का आई0टी0 सेल से (DSS) Decision Support System Analysis कराये जाने के सम्बन्ध में।

संदर्भ-

महोदय,

आपके कार्यालय का पत्रांक-1950/सोनमद्र/33 दिनांक, रावर्टगंज, मार्च, 03, 2023।

उपरोक्त विषयक संदर्भित पत्र के कम में DSS Analysis के लिए प्रेषित जिओ कोआर्डिनेट/पॉलिगान के विश्लेषण फलस्वरूप उपरोक्त पॉलिगान का निष्कर्ष इस प्रकार है:-

क्र0सं	प्रभाग का नाम	चिन्हित की गयी उपयुक्त अवनत वन भूमि के रेंज का नाम	चिन्हित की गयी उपयुक्त अवनत वन भूमि के ब्लॉक एवं कम्पार्टमेंट का नाम	क्षतिपूरक वृक्षारोपण हेतु चिन्हित की गयी उपयुक्त अवनत वन भूमि का सकल क्षेत्रफल (हे0में)	क्षतिपूरक वृक्षारोपण हेतु चिन्हित की गयी उपयुक्त अवनत वन भूमि का शुद्ध क्षेत्रफल (हे0में)	क्षतिपूरक वृक्षारोपण हेतु चिन्हित की गयी उपयुक्त अवनत वन भूमि के DSS Analysis के लिए प्रेषित जिओ कोआर्डिनेट/पॉलिगान के विश्लेषण फलस्वरूप प्राप्त निष्कर्ष	पॉलिगान की भौगोलिक स्थिति (दिये गये स्थल का है/दिये गये स्थल से अलग)	के सापेक्ष पॉलिगान का शुद्ध क्षेत्रफल (हे0में)	के सापेक्ष 0.4 अथवा 40 प्रतिशत से कम घनत्व श्रेणी शुद्ध क्षेत्रफल (हे0में)
1	2	3	4	5	6	7	8	9	
1	सोनमद्र वन प्रभाग	मांची रेंज	सुअरसोत कं0नं0-2	25.00	20.00	दिये गये स्थल का है।	24.92	24.92	
2	सोनमद्र वन प्रभाग	रामगढ़ रेंज	मझुई कं0नं0-6	26.10	20.00	दिये गये स्थल का है।	26.02	26.02	
3	सोनमद्र वन प्रभाग	चुर्क रेंज	चेरुई कं0नं0-2	18.70	14.00	दिये गये स्थल का है।	18.58	18.58	
				69.80	54.00	योग	69.52	69.52	

संलग्नक:-मानचित्र एवं विवरण जी0आई0एस0 10266 के सापेक्ष पोर्टल पर अपलोड।

भवदीय,

(आदर्श कुमार)  
प्रभागीय निदेशक  
वन एवं अन्य जीव प्रभाग  
राहजहाँपुर

(विष्णु सिंह)  
अपर प्रधान मुख्य वन संरक्षक,  
आई0टी0, उत्तर प्रदेश, लखनऊ।



Project Name : Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)

Proposal No. : FP/UP/ROAD/148376/2021

21-8-3  
Annexure-3

## **COST BENEFIT ANALYSIS IN ACCORDANCE WITH GOI FC GUIDELINES NO-7-69 / 2011-FC DATED 01-08-2017**

**Name of Project:** Diversion of Protected Forest Land for Improvement and Up-gradation of Existing Road (NH-731) to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 of NH-731, Start of Khutar Bypass to Start of Shahjahanpur Bypass in Shahjahanpur District of NH-731 in the State of Uttar Pradesh under Shahjahanpur Forest Division of Uttar Pradesh State (Total Length – 48.75 Km of Package 1)

**Nature of Proposal:** Diversion of 26.4080 ha of Forest land under FCA, 1980 for road construction

**Purpose:** The Cost Benefit Analysis has been undertaken for proposed diversion of Protected Forest Land being affected due to Improvement and Up-gradation of Existing Road (NH-731) to 2-Lane with Paved Shoulder and Service Road from Km 40.00 to Km 88.750 of NH-731.

**Total Length of the Project:** 48.75 km

**Number of districts involve:** 01

**Number of forest divisions involve:** 01

S. No.	Forest Division	Proposed Forest Area for Diversion (ha)
1	Shahjahanpur	26.4080
Total		26.4080

**Table A: Cases under which a Cost-benefit analysis for forest diversion are required**

S. No.	Nature of Proposal	Applicable / Not Applicable	Remarks
1	All Categories of proposal involving forest land up to 20 hectares in plains and up to 5 hectares in hills	Not Applicable	These proposals may be considered a case-to-case basis and value judgments.
2	Proposed for defense installation purpose and oil prospecting only	Not Applicable	In view of national priority accorded to these sectors, the proposal would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use
3	Habitation, establishment of industrial units, tourist lodge complex and other building construction	Not Applicable	These activities being detrimental in protection and conservation of proposals would be rarely entertained.
4	All other proposal involving forest land more than 20 hectares in plain and more than 5 hectares in hills including roads, transmission line, minor, medium, and major irrigation projects, hydro projects, mining activity, railway line, location specific installations like microwave stations, auto repeater centers, TV tower etc.	Applicable	These are cases where a cost benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest.

A. K. Singh  
(आदर्श कुमार)  
सहायक निदेशक  
वन विभाग  
शहजहाँपुर

परिचालन निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
पर्यटन एवं वाणिज्य इकाई, शहजहाँपुर

Project Name : Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)

Proposal No. : FP/UP/ROAD/148376/2021

Since, the proposal is for diversion of forest land measuring more than 20 hectare in plain area for the road project, cost benefit analysis report is applicable.

Table B: Estimation of Cost of forest diversion

S. No	Parameters	Given Guideline	Evaluation
1	Ecosystem services losses due to proposed forest diversion	Economic value of loss of ecosystem services due to diversion of forest shall be the net present Value (NPV) of the forest land being diverted as prescribed by central Government (MoEF&CC) <b>Note:</b> In case of National parks the NPV shall be ten (10) times the normal NPV and in case wildlife Sanctuary the NPV shall be five (5) times the normal NPV or otherwise prescribed by the ministry or any other competent authority	NPV value has been taken as INR 12.29 (Tropical Dry Deciduous Open Forest with density in the range of 0.4 to 0.7) lakhs per hectare Therefore losses = $12.29 \times 26.4080 = 324.45$ Lakhs
2	Loss of animal husbandry productivity, including loss of fodder	To be quantified and expressed in monetary terms or 10% of NPV applicable whichever is maximum	The forest land proposed for diversion is road-sides plantation notified by Govt. of Uttar Pradesh as Protected Forest. No grazing activity is being / has been carried out on these patches. Therefore, no loss of animal husbandry productivity including loss of fodder will take place.  10% of NPV = 10% of NPV (324.45) = 32.45 lakhs. So considered amount is <b>INR 32.45 Lakhs.</b>
3	Cost of human resettlement	To be quantified and expressed in monetary terms as per approved R & R plan.	<b>NIL</b> No resettlement in the forest land proposed for diversion.
4	Loss of public facilities and administrative infrastructure (Roads, buildings, School, dispensaries, electric lines, railways etc.) on forest land, or which would require forest land if these facilities were diverted	To be quantified and expressed in monetary terms on actual basis at the time of diversion.	No loss of public facilities and administrative infrastructure on forest land.

(आदेश कुमार)  
प्रभागीय निदेशक  
वन एवं अन्य जीव प्रभाग  
शाहजहाँपुर

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यालय इलाहाबाद, यूपी (201001)



**Project Name :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (**Total Length-48.75 Km of Package 1**)

**Proposal No. :** FP/UP/ROAD/148376/2021

S. No	Parameters	Given Guideline	Evaluation
	due to the project.		
5	Possession value of forest land diverted	30% of environment costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possession value of forest land whichever is maximum	Possession value of Forest Land= 30 % of NPV = 30% of 324.45 = <b>97.34 Lakhs</b>
6	Cost of Suffering to oustees	The social cost of rehabilitation of Oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R & R plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted	<b>Nil</b> as no Resettlement and Rehabilitation is required in forest land proposed to be diverted.
7	Habitat fragmentation Cost	While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule.	Habitat fragmentation Cost= 50 % of NPV = 50% of 324.45 Lakhs = <b>162.23 Lakhs</b>
8	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value	Total 52.816 Hectare degraded forest land which is about two times of the forest area proposed for diversion has been proposed for CA in lieu of 26.4080 ha forest land. Cost of CA is <b>INR 211.26 Lakhs</b> (@ 4.0 lakhs per ha)

**Table C: Existing Guidelines for estimating benefits of forest land diversion in CBA**

S. No	Parameters	Given Guideline	Evaluation
1	Increase in productivity attributable to the specific project	To be quantified and expressed in monetary terms avoiding double counting  <i>A. K. Singh</i> (आदर्श कुमार) प्रभासीन निदेशक वन एवं वन्य जीव प्रभाग शहजपुर	The proposal for which diversion of forest land is sought is for Improvement and Up-gradation of Existing Road (NH-731) to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 of NH-731.  The proposed improvement eases the traffic situation between Palia-Shahjahanpur-Hardoi to Lucknow. Proposed improvement will enable smooth accessibility in the region by which people of the region will be directly benefitted. This will accelerate industrialization / commercialization in region and the same will directly generate employment opportunities in

**Project Name :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)

**Proposal No. :** FP/UP/ROAD/148376/2021

S. No	Parameters	Given Guideline	Evaluation
			these areas and boosting up the economy of the region and the state. Again, directly the project will have the potential for employment generation for local people 224250 man-days during the construction period. The proposed project does not involve any manufacturing or production. Hence, this section is not applicable. Monetary benefits due to increase in productivity is NIL.
2	Benefits of economy due to the specific project	The incremental economic benefit in monetary terms due to the activities attributed to the specific project.	Economic benefit in terms of increase in trade, saving in vehicular operation and maintenance cost, better connectivity, safer journey to commuter and saving of travel time. Improved road connectivity helps in better implementation and management of government schemes. It will provide last and economical transport of goods, after completion of project, the local people and industries situated in the area will be greatly benefited. The project improvement will provide safe and fast, economical and environment friendly transportation to the State, which in term will accelerate the rate of growth in this area.  The proposed improvement may reduce the travel distance between two points slightly, however, result in time savings of over 14 minutes.  Average Annual Daily Traffic = 11336 Passenger Car Unit (PCU).  Fuel saving = 1 Litre per PCU (@ avg. fuel economy of 16 km / Litre)  Average fuel cost = INR 90 per Litre  Fuel saving on 11336 PCU = 1 x 11336 = 11336 Litres per day  Savings (in monetary terms) = 11336 x 90 = 10,20,274 INR = INR 10.2 Lakhs  Total benefits in 28 years = 10.203 x 365 x 28 = INR 104244.0 Lakhs
3	No. of population benefited due to specific project	As per the detailed project report	Population of Shahjahanpur (3006538) district will be benefitted due to proposed development.
4	Economic benefits due to of direct and indirect employment due to the	As per the detailed project report	A total of 224250 man-days employment will be generated during construction phase for skilled / unskilled labour.

(आदर्श कुमार)

प्रभागीय निदेशक  
वन  
शहजहाँपुर



**Project Name :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division **(Total Length-48.75 Km of Package 1)**

**Proposal No. :** FP/UP/ROAD/148376/2021

S. No	Parameters	Given Guideline	Evaluation
	project.		Base wage rate for the year 2019 – 20 is INR 360 per day. Total financial implication will come out to be = $224250 \times 360 =$ <b>INR 807.3 Lakhs</b>
5	Economic benefits due to Compensatory Afforestation	Benefits from such compensatory forestation accruing over next 50 years monetized and discounted to the present value should be included as benefits of compensatory afforestation. *For benefits of CA the guideline of the ministry for NPV estimation may be considered.	In lieu of total trees to be removed from the proposed Row in forest land along the project road, it is proposed to undertake at least twice of affected area as Compensatory afforestation as per Forest Conservation Act, 1980 to increase the net productivity. The Compensatory Afforestation will be done in 53.568 ha of degraded forest land which is down the line would be having a density of minimum 0.7. The ecological value for a 50 years period for the density of 1.0 is INR 126.74 Lakhs per hectare. By considering minimum 0.4 density the ecological gain for the project would be $INR 126.74 \times 0.4 \times 26.4080 =$ <b>INR 2677.56 Lakhs</b>

#### Summary of Cost –Benefit Analysis for the Project

S. No	Cost (in Lakh)	Benefit (Lakh)
1	Ecosystem services losses = <b>INR 324.45 Lakhs</b>	Benefits of economy due to the specific project = <b>INR 104244.0 Lakhs</b>
2	Loss of Animal Husbandry Productivity including loss of Fodder = <b>INR 32.45 Lakhs.</b>	Economic benefits due to of direct and indirect employment due to the project = <b>INR 807.3 Lakhs</b>
3	Possession Value of Forest Land diverted = <b>Rs 97.34 Lakhs</b>	Ecology gain due Compensatory Afforestation = <b>INR 2677.56 lakhs</b>
4	Habitat Fragmentation Cost = <b>INR 162.23 Lakhs</b>	
5	Compensatory Afforestation and Soil and Moisture Conservation = <b>INR 211.26 Lakhs</b>	
	<b>Total Cost = INR 827.73 Lakhs</b>	<b>Total Benefit = INR 107728.86 Lakhs</b>

Therefore, project will have multifold benefit on the economy.

**National Highways Authority of India (NHAI)**

**Place: Bareilly**

*Amit*  
(आमि रंजन चित्रंशी)  
प्रभागीय निदेशक  
यस एन एच डी डी प्रभाग  
शहजहानपुर

*Amit*  
(Amit Ranjan Chitranshi)  
Project Director, Bareilly  
परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
नियोजन कार्यवाहन इकाई, बरेली (उत्तर)



**Subject :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)

**Proposal No. :** FP/UP/ROAD/148376/2021

Annexure - 2

**Introduction:** The proposed project is an Improvement and Up-gradation of Existing Road (NH-731) to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 of NH-731, Start of Khutar Bypass to Start of Shahjahanpur Bypass in Shahjahanpur District of NH-731 in the State of Uttar Pradesh under Shahjahanpur Forest Division of Uttar Pradesh State (Total Length – 48.75 Km of Package 1) which is an existing field alignment having PROW from 18.0 m to 45.0 m and embankment height (in general) 1.5 to 2.0 m meter located on plane terrain. Any cutting, tunneling other than construction of cross drainage, bridges are not proposed and to raise the height of embankment additional earth material is required. Keeping in view of road work, small quantity of excavated material (ordinary earth) will be generated from foundation work of, bridges/cross drainages as well as Clearing & Grabbing. Excavated material generated from these construction sites will be utilized in filling/raining of Embankment of project road.

Being an improvement and up-gradation of NH-731 with bypass, in this entire section of project road, NO muck will be generated, and any disposal is not required as excavated ordinary earth material will be re-utilized in filling of embankment. As required details are tabulated below:

S. No.	Particulars	Remarks
1.	Calculation of muck to be generated. Swell factor has to be applied.	Since the project road alignment is entirely located in plane area having no scope of tunneling or hill cutting/deep excavation and accordingly No muck will be generated due to additional widening of project road. Accordingly, no muck calculation is applicable. It is to be noted that to raise Final Road Level (FRL)/Road Embankment/Bypass, significant quantity of earth material will be required instead of generation of muck.
2.	Quantity of muck to be utilized in the project activities	As stated in above column, generation of Muck is very unlikely. However, some construction debris are likely to be generated and which will be utilized (like leveling, making approach road, worker camp etc.) in project work and no disposal is required.
3.	Balance quantity of muck which requires disposal / management plan	No balance quantity is estimated, construction related debris will be utilized in project work.
4.	Carriage of muck from the muck generation site to the dumping site	Not applicable, due to above mentioned reason in column no. 1 & 2.
5.	Ownership of land and the consent of landowners in case muck disposal is proposed on non-forest land.	Not applicable, due to above mentioned reason in column no. 1 & 2.

A.K. Kaur  
(आदर्श कुमार)  
प्रभागीय निदेशक  
वन  
शहजहाँपुर

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, बरेली (उ.प्र.)

**Project Name :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)  
**Proposal No. :** FP/UP/ROAD/148376/2021

6.	Photograph & carrying capacity of proposed dumping site (Muck disposal site)	Not applicable, due to above mentioned reason in column no. 1 & 2.
7.	Development of dumping site- construction of retaining walls and other structure as per requirement of the site. The objective is to completely stop rolling down of the muck.	Not applicable, due to above mentioned reason in column no. 1 & 2.
8.	Rehabilitation of dumping site like leveling planting of grass, shrubs and tree species	Not applicable

*Note: Cost to be incurred on the above activities has to be given component wise. Detail of dumping site including length, width, and height of structures to be erected must be mentioned.*

*Undertaking by the user agency has to be given to the effect that:*

1. Muck management plan will be implemented by the user agency and in case of non-implementation of the plan; they will be liable to penalty / action at their cost.
2. The proposed dumping site is located away from river/stream/nala.

**National Highways Authority of India (NHAI)**

**Place: Bareilly**

**(Amit Ranjan Chitranshi)**

**Project Director, Bareilly**

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

A.Kumar  
(आदर्श कुमार)  
प्रभागीय निदेशक  
वन एवं पर्वत प्रभाग  
शहजहाँपुर

**Project Name** : Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)  
**Proposal No.** : FP/UP/ROAD/148376/2021

Annexure-5

**Undertaking regarding NoC from Owner Dept.**

I, **Amit Ranjan Chitranshi**, Project Director (NHAI), Bareilly, Authorized for Diversion of Protected Forest Land for Improvement and Up-gradation of Existing Road (NH-731) to 2-Lane with Paved Shoulder and Service Road from Km 40.00 to Km 88.75 of NH-731, Start of Khutar Bypass to Start of Shahjahanpur Bypass in Shahjahanpur District of NH-731 in the State of Uttar Pradesh under Shahjahanpur Forest Division of Uttar Pradesh State (Total Length- 48.75 Km of Package 1), hereby undertake to obtain the NoC from Owner Dept. i.e. Irrigation Department, Govt. of Uttar Pradesh.

The project is proposed to be awarded on EPC mode wherein the design of highway facilities are in scope of the Contractor. Hence, the NOC/approval for design of bridges/culverts on irrigation facilities shall be obtained from Irrigation Department during the design stage.

**National Highways Authority of India (NHAI)**

**Place: Bareilly**

A.K. (अदरक कुमार)  
 प्रशासक (अवकाश प्रमाण)  
 8

(Amit Ranjan Chitranshi)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 Project Director, Bareilly



**Project Name :** Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)  
**Proposal No. :** FP/UP/ROAD/148376/2021

Signature-6

## रोड साइट पट्टी पर वृक्षारोपण कराये जाने की वचन बद्धता का प्रमाण पत्र

प्रमाणित किया जाता है कि उत्तर प्रदेश राज्य के शाहजहांपुर वन प्रभाग के अंतर्गत मौजूदा सड़क (एनएच - 731) के सुधार और उन्नयन के लिए संरक्षित वन भूमि का डायवर्जन, एनएच - 731 के खुतार बाईपास से शाहजहांपुर बाईपास की शुरुआत तक, किमी 40.00 से किमी 88.750 तक पक्की ढाल के साथ 2-लेन की परियोजना के हिस्से के रूप में, 26.4080 हे० संरक्षित वन भूमि के गैरवानिकी प्रयोग हेतु प्रस्तावित है। परियोजना सड़क का मौजूदा ROW 32 मीटर है और प्रस्तावित सड़क निर्माण की चौड़ाई संरचना और बाईपास स्थानों को छोड़कर ज्यादातर 18 मीटर है। इसलिए, IRC SP 21:2009 के अनुसार, 14 मीटर या उससे कम (जैसा भी मामला हो) की शेष वृक्षारोपण पट्टी एवेन्यू वृक्षारोपण के लिए बरकरार रहेगी। एवेन्यू वृक्षारोपण EPC Contractor के कार्य के दायरे में प्रस्तावित है।

स्थान: बरेली

(आदर्श कुमार)  
 पञ्चायत निदेशक  
 वन विभाग  
 शाहजहांपुर

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(अमित रजत चित्रांशी)  
 परियोजना निदेशक, बरेली

983/2021/PIU- BAREILLY

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(मन्त्रालय परिवहन और राजमार्ग परिवहन)

National Highways Authority of India

(Ministry of Road Transport and Highways)

31-5 एच 5, सेक्टर 10, द्वारका नई दिल्ली - 110 075

3-5 & 6, Sector 10, Dwarka, New Delhi-110075

संख्या: 11041/230/2007-प्रशासन/449

दिनांक: 04.12.2020

विषय: कार्यकारिणी समिति की 449वीं बैठक के कार्यवृत्त।

कार्यकारिणी समिति की 449वीं बैठक दिनांक 03.12.2020 को दोपहर 3:30 बजे AMH HQ में हुई थी, जिसका सक्षम प्राधिकारी से अनुमोदित कार्यवृत्त सूचना एवं आवश्यक कार्रवाई हेतु जारी किया जाता है।

2. आप से अनुरोध है कि कार्यवृत्त पर कार्रवाई की गई रिपोर्ट (Action Taken Report) प्रशासन विभाग IV को अतिशीघ्र भेज दें।

रमेश चन्द्र नन्दा  
(डी.एच.एम. तयारी)

मुख्य महाप्रबंधक (प्रशासन)-I

सेवा में,

सदस्य (प्रशासन)

सदस्य (परियोजना)-आर.के.पी.

सदस्य (तक.)

सदस्य (परियोजना)-एम.के.

प्रतिलिपि निम्नलिखित को:

अध्यक्ष के विशेष कार्य अधिकारी

अध्यक्ष के निजी सचिव

प्रतिलिपि निम्नलिखित को भी सूचना एवं आवश्यक कार्रवाई के लिए:

सभी मुख्य महाप्रबंधक/महाप्रबंधक/मुख्यालय/सभी क्षेत्रीय अधिकारी

देव एडमिन: उपरोक्त सभी को भेजने के लिए

संलग्नक - (02 पृष्ठ)

A. K. K.  
(आदर्श कुमार)  
प्रभागीय निदेशक  
वन एवं वन्य जीव प्रभाग  
राजहोपुर

(आदर्श कुमार)

प्रभागीय निदेशक  
वन एवं वन्य जीव प्रभाग  
राजहोपुर

उप प्रभागीय वनाधिकारी  
पुवाया  
वन एवं वन्य जीव प्रभाग

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, बरेली (उत्तर)

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, बरेली (उत्तर)



13/2021/PIU, BAREILLY

Minutes of 449<sup>th</sup> Meeting of Executive Committee held on 03.12.2020 at 3.30 pm in the Board Room, 7<sup>th</sup> Floor, New NHAI Office, Dwarika, New Delhi

The following were present:

- (i) Shri Sushobh Singh Sandhu, Chairman
- (ii) Shri R. K. Pandey, Member (Projects)
- (iii) Shri Alok, Member (Administration)
- (iv) Shri Manoj Kumar, Member (Projects)
- (v) Shri Mahabir Singh, Member (Technical)

The Agenda Items circulated for the meeting were discussed and the following decisions were taken:

449.01	Standing Agenda Items - Nil	
449.02	Refinancing of SPV Nelamangala Devihalli Expressway Pvt. Ltd	
Decision	EC approved the proposal.	
449.03	6-lane access-controlled highway from Mohand to Daat Kali Tunnel (km 8 - 16) of Gangespur Dehradun section of NH- 72A in Uttar Pradesh & Uttarakhand under Bharatmala Paryojana on EPC mode (Package-2) - Approval of Project - Civil Work Cost - Rs. 838.54 Cr.; EPC Rs. 984.90 Cr.; Total Capital Cost - Rs. 990.28 Cr. PATSC approved	
Decision	EC approved the proposal.	
449.04	Bangalore-Hoskote-Mulbagal - Sanction of NH-4 in Karnataka on BOT(Toll) - for sanction of cost estimate amounting to Rs. 84.78 Cr. for periodic renewal/major maintenance at the risk & cost of Concessionaire as per Cl. 18.12 of CA	
Decision	EC approved the proposal.	
449.05	4-laning of Panvel-Indapur Section of NH-17 on BOT(Toll) in Maharashtra - the COS XX proposal issue of "in-principle" approval amounting to Rs.3.34 Crore.	A.K.
Decision	EC approved the proposal.	(आमोदित)
449.06	Issuing circular regarding applicability of tender discount/ premium in case of COS in HAM Projects. Proposal is for obtaining the directions of the EC regarding issuing the circular on the subject. 'Clarification regarding applicability of Schedule of Rates for Change of Scope in HAM Projects' placed at Annexure-3	8
Decision	The Agenda Item was deferred.	5/9
449.07	Construction of New Brahmaputra Bridge on NH-31 in Assam. Package No. EW-II (AS-22). Conciliation of disputes between NHAI and M/s Gammon Engineers & Contractors Pvt. Ltd, the Contractor through CCIE - final offer of NHAI for conciliation duly taking into account of the methodology/ details outlined at Para-4 (abstract of details as per table 4.2) for placing before CCIE-2 for the purpose of amicable settlement	
Decision	EC approved the proposal.	
449.08	4-laning of km. 1065.00 - Km. 1040.300 of Nalbari to Tihu section of NH-37 in Assam. Package No. EW - II (AS - 6) to consider the final offer of NHAI, as outlined at Para-4 (abstract of details as per table 4.2) for placing the settlement proposal before CCIE.	परियोजना निदेशक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण परियोजना कार्यान्वयन इकाई, संतोरी (बल्लभ)
Decision	EC approved the proposal (आदर्श कुमार)	

उप प्रभागीय वनाधिकारी  
पुनर्वास  
वन एवं वन्य जीव प्रभाग

प्रभागीय निदेशक  
वन एवं वन्य जीव प्रभाग  
सादरजसुर

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, संतोरी (बल्लभ)



## 231983/2021/PIU- BAREILLY

449 09	6-laning of Gurgaon - Jaipur Section of NH-8 (Length 225.6 Km.) in Haryana & Rajasthan on BOT (Toll) under NHDP Phase-V - Approval of EC for increase in Concession Period by 28 months & 24 days (876 days) i.e. from 03.04.2021 to 26.08.2023 as per Clause 29.2.1 of Concession agreement.
Decision	The proposal of Member(A) & Member(P)RKP for extension in Concession Period by 28 months and 24 days was discussed. It was also noted that the Concessionaire has not refunded the principal of One-Time Fund Infusion Scheme (OTFIS) amounting to Rs. 321 Crores which requires around 15 months for recovery. In view of this requirement, EC approves the interim Extension in Concession Period for 14 months from date of expiry of original Concession Period.
449.10	Stretch from Palla-Shahjahanpur- Hardoi-Lucknow-Length 270 Km - Approval of Mode of Delivery for 4 projects in Uttar Pradesh
Decision	EC approved as under: (i) projects Start of Shahjahanpur Bypass - End of Hardoi Bypass & End of Hardoi Bypass - End of Hardoi Dist. on H&M Mode (ii) projects Palla - Start of Shahjahanpur Bypass & Start of Lucknow Dist. - Dubagha Chowk on EPC mode.
449 11	4-laning of Koilwar - Bhojpur Section (43.85 km) in Bihar on EPC Mode - In principle approval for construction of temporary diversion of Sone Bridge of Rs 1.138 Cr. under CQS by EC
Decision	EC approved the proposal.

The meeting concluded with a vote of thanks to all the participants.

2/2

A.P.W.  
(आदर्श कुमार)  
प्रभागीय निदेशक  
वन एवं वन्य जीव प्रभाग  
राजगढ़पुर

(आदर्श कुमार)

प्रभागीय निदेशक  
वन एवं वन्य जीव प्रभाग  
राजगढ़पुर

उप प्रभागीय वन अधिकारी  
पुवाय  
वन एवं वन्य जीव प्रभाग

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
राजमार्ग विकास इकाई, बरेली (उत्तर प्रदेश)

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
राजमार्ग विकास इकाई, बरेली (उत्तर प्रदेश)

**Project Name** : Improvement and Up-gradation of NH-731 to 2-Lane with Paved Shoulder from Km 40.00 to Km 88.750 under Package 1 in Shahjahanpur District and Forest Division (Total Length-48.75 Km of Package 1)

**Proposal No.** : FP/UP/ROAD/148376/2021

Amex HKE-8

### Area Statement of the Proposed Road Project

S. No.	Design Chainage (Km)		Existing PWD ROW			Existing Roadway		Proposed ROW		Proposed Road Forest Land		Proposed diversion of PF (ha)	Remarks
	From	To	Length (m)	Width (m)	Area (Sqm)	Length (m)	Width (m)	Left (m)	Right (m)	Left (m)	Right (m)		
1	40.000	41.000	1000.0	32.0	32000.0	1000.0	12.0	9.0	9.0	3.0	3.0	0.6000	2-LPS
2	41.000	41.050	50.0	32.0	1600.0	50.0	12.0	21.5	21.5	10.0	10.0	0.1000	VUPs
3	41.050	41.100	50.0	32.0	1600.0	50.0	12.0	21.5	21.5	10.0	10.0	0.1000	VUPs
4	41.100	41.160	60.0	32.0	1920.0	60.0	12.0	21.5	21.5	0.0	10.0	0.0600	Start Bypass (VUPs)
5	45.650	45.700	50.0	32.0	1600.0	50.0	12.0	0.0	22.5	0.0	10.0	0.0500	End Bypass
6	45.700	45.760	60.0	32.0	1920.0	60.0	12.0	22.5	22.5	10.0	10.0	0.1200	End Bypass
7	45.760	49.530	3770.0	32.0	120640.0	3770.0	12.0	9.0	9.0	3.0	3.0	2.2620	2-LPS
8	49.530	50.130	600.0	32.0	19200.0	600.0	12.0	13.5	13.5	7.5	7.5	0.9000	2-LPS with Service Road
9	50.130	53.175	3045.0	32.0	97440.0	3045.0	12.0	9.0	9.0	3.0	3.0	1.8270	2-LPS
10	53.300	57.240	3940.0	32.0	126080.0	3940.0	12.0	9.0	9.0	3.0	3.0	2.3640	2-LPS
11	57.240	58.050	810.0	32.0	25920.0	810.0	12.0	13.5	13.5	7.5	7.5	1.2150	2-LPS with Service Road
12	58.050	63.730	5680.0	32.0	181760.0	5680.0	12.0	9.0	9.0	3.0	3.0	3.4080	2-LPS
13	63.730	64.215	485.0	32.0	15520.0	485.0	12.0	21.5	21.5	10.0	10.0	0.9700	VUP
14	64.215	64.250	35.0	32.0	1120.0	35.0	12.0	22.5	22.5	10.0	10.0	0.0700	VUP part in Bypass
15	64.250	64.350	100.0	32.0	3200.0	100.0	12.0	22.5	22.5	10.0	0.0	0.1000	In Bypass
16	71.950	72.000	50.0	32.0	1600.0	50.0	12.0	22.5	22.5	10.0	0.0	0.0500	In Bypass
17	72.000	72.100	100.0	32.0	3200.0	100.0	12.0	22.5	22.5	10.0	10.0	0.2000	End Bypass
18	72.100	72.560	460.0	32.0	14720.0	460.0	12.0	21.5	21.5	10.0	10.0	0.9200	VUP
19	72.560	75.630	3070.0	32.0	98240.0	3070.0	12.0	9.0	9.0	3.0	3.0	1.8420	2-LPS
20	75.630	78.890	3175.0	32.0	101600.0	3175.0	12.0	9.0	9.0	3.0	3.0	1.9050	2-LPS
21	78.890	79.090	200.0	32.0	6400.0	200.0	12.0	18.0	18.0	10.0	10.0	0.4000	Toll Plaza
22	79.090	83.170	4080.0	32.0	130560.0	4080.0	12.0	9.0	9.0	3.0	3.0	2.4480	2-LPS
23	83.170	84.510	1340.0	32.0	42880.0	1340.0	12.0	13.5	13.5	7.5	7.5	2.0100	2-LPS with Service Road

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अति. १

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	From	To	Length (m)	Width (m)	Area (Sq.m)	Length (m)	Width (m)	Left (m)	Right (m)	Left (m)	Right (m)		
24	84.510	84.850	340.0	32.0	10880.0	340.0	12.0	9.0	9.0	3.0	3.0	0.2040	2-LPS
25	84.945	85.060	115.0	33.0	3795.0	115.0	12.0	9.0	9.0	3.0	3.0	0.0690	2-LPS
26	85.060	88.750	3690.0	32.0	118080.0	3690.0	12.0	9.0	9.0	3.0	3.0	2.2140	2-LPS
Total												26.4080	

National Highways Authority of India (NHAI)

Place: Bareilly

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