

## **CERTIFICATES & UNDERTAKINGS**

Annexure - 1

DOCUMENT VERIFICATION CERTIFICATE & STATEMENT OF PROJECT AUTHORITY

Certified that all the documents enclosed here with this proposal for forest land diversion for project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)." have been scrutinized and found correct.

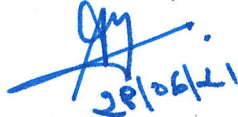
Further this is also to convey that, project road section having length 124.661km, traverse through four districts of Chhattisgarh namely Raipur, Dhamtari, Kanker, Kondagaon and accordingly, forest proposal is prepared and uploaded for road length falling in Chhattisgarh.

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari,  
Chhattisgarh

Name: - Savyasachi Choudhury

  
Seal & Signature  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)

Annexure – 2  
Certificate of Administrative/Technical & Financial Approval of project

[ भाग II-खण्ड 3(ii) ]

भारत का राजपत्र : असाधारण

5

**MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**NOTIFICATION**

New Delhi, the 5th December, 2017

**S.O. 3807(E).**—In exercise of the powers conferred by sub-section (2) of section 2 of the National Highways Act, 1956 (48 of 1956), the Central Government hereby declares each of the highways specified in columns (2) and (3) of the Table below to be a national highway.

The said highways, now declared to be national highways, shall be deemed to be specified in the Schedule to the said Act with the new serial numbers, the new national highways numbers and the description of the national highways thereof, as indicated in columns (1), (2) and (3) respectively, of the said Table.

**TABLE**

Serial No.	New National Highway No.	Description of National Highways
(1)	(2)	(3)
409	354	The highway starting from its junction with NH-54 near Gurdaspur connecting Derababa Nanak, Ramdas, Ajnala, Amritsar (NH-3), Chabal Kalan, Bhikhiwind, Amarkot, Khem Karan (Indo-Pak Border), Arifke, Firozpur (NH-5), Sadiq, Sri Muksar Sahib (NH-754), Rupana and terminating at its junction with NH-7 near Malaut in the state of <b>Punjab</b> .
410	354B	The highway starting from its junction with NH-54 near Zira connecting Markhai, Kulgarhi, and terminating at its junction with NH-5 near <b>Firozpur</b> in the state of <b>Punjab</b> .
411	148BB	The Highway starting from its junction with NH-148B near Moonak connecting Lehra Gaga and terminating at Sunam in the state of <b>Punjab</b> .
412	105B	The highway starting from its junction with NH-5 near Dhillon Nagar (Moga), connecting Bagh Purana (NH-254) and terminating at its junction with NH-54 near Baja Khana in the State of <b>Punjab</b> .
413	152A	The highway starting from its junction with NH-52 near Khanauri connecting Shergarh, Amo in the state of <b>Punjab</b> , Sangatpura, Nand, Sighwala, Sanghan, Mahal Kheri, Padala, Gandhi and terminating at its junction with NH-152 near Kaithal in the State of <b>Haryana</b> .
414	907G	The Highway starting from its junction with NH No- 907 near Jagadhri connecting Jaroda, Budheri, Bherthal, Mahmoodpur, Salempur Banger and terminating near Bilaspur in the state of <b>Haryana</b> .
415	352R	The highway starting from its junction with NH-352 (Jhajjar Bypass) connecting Dulhera, Daboda Khurd, Nuna Majra and terminating at its junction with NH- 9 (Bahadurgarh Bypass) in the state of <b>Haryana</b> .
416	352W	The highway starting from its junction with NH-352 near Vijay Nagar (Rewari) connecting Kakoria, Jaitpur, Pataudi, Jamalpur, Wazirpur, Harsaru and terminating at its junction with NH- 48 near Shaktinagar (Gurugram) in the state of <b>Haryana</b> .
417	126	The highway starting from its junction with NH-26 near Barapali connecting Dhaurakhanda, Panimora, Chichinda and terminating at its junction with NH-53 near Sohela in the State of <b>Odisha</b> .
418	130CD	The highway starting from its junction with NH-30 (Kurud Bypass) connecting Umarda, Megha, Bijhuli, Singhpur, Dugli, Dongardula, Nagari, Sonamagar, Sihawa, Ratawa in the state of <b>Chhattisgarh</b> connecting Ghutkel, Kundei, Hatabharandi, Raighar, Beheda, Umerkote, Dhodra, Dhamanaguda, Dabugaon and terminating at its junction with new NH No. 26 near Papdahandi in the State of <b>Odisha</b> .
419	316A	The highway starting from its junction with NH-316 near Konark connecting Ratanpur, Satabhaya, Dhamra, Basudevpur, Talapada, Chandipur, Chandaneswar in state of Odisha and terminating at Digha in the State of <b>West Bengal</b> .
420	516A	The highway starting from its junction with NH-516 near Gopalpur Port and terminating at its junction with NH-316 near Satpada in the State of <b>Odisha</b> .
421	381A	The highway starting from its junction with NH-81 near Vellakoil connecting

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari , Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)

Annexure -3  
COMPENSATORY AFFORESTATION COST  
(Undertaking/ Certificate of Project Authority)

As per the provision of Forest Conservation Act, 1980, non-forest land equivalent to the area of forest land diverted for the purpose of the project of has to be provided to the forest department for obtaining forest clearance (FC). However, two circulars issued by Ministry of Environment & Forest (i) vide letter no.-4-1/97-FC dt.18.02.98 and (ii) 11-30/96-FC dt. 10.04.1997, exempts NH road from providing non-forest land for raising compensatory afforestation. As the circular cited above, it has to be prepared by the concerned DFO.

We hereby please to give the undertaking to bear the cost of raising and maintenance of compensatory afforestation and as per the scheme prepared by the State Government/Forest Department for project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

Date: - 28/06/2021  
Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**



ANNEXURE -4

NO OPTIONAL NON-FOREST LAND AVAILABILITY AND MINIMUM DEMAND FOR FOREST AREA

This is to certify that no suitable alternate Non-Forest Land is available other than Forest land located along/through which existing road alignment traverses. This project road is of Greenfield alignment namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

The demand for the required 228.0425 hectare of RF land is the barest minimum demand for the execution of above said project.

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI - PIU Dhamtari,  
Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)

Annexure -5

CERTIFICATE FOR BEARING COST FOR FELLING OF TREES  
(Project Authority)

This is to certify that Project Authority fully agrees to bear the cost of clearance/removal of the vegetation growth from the forest land proposed to be released/diverted for non-forest use in terms of construction of project road namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari,  
Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**

Annexure -6

CERTIFICATE OF NON-VIOLATION OF FOREST CONSERVATION ACT, 1980

This is to certify that the widening/construction work of project road namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)." has yet not started.

Any civil/construction work in the forest area is not started and No Violation of Forest Conservation Act, 1980 and or its guidelines have been committed. The work in Forest Area/ Wildlife Area/ESZ area will be started only after Forest and Wildlife Department accords permission.

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari,  
Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)

NET PRESENT VALUE OF FOREST LAND  
Certificate

This is to certify that, as per guidelines for diversion of forest land for non-forest purpose by the Ministry of Environment and Forest. Govt. of India letter No. 5-1/98-FC (PT- II) dated 18/2/2003, this office (Project Authority) is fully agreeing to deposit the sum against the "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

Date: - 28/06/2021  
Place: - Dhamtari

Project Director  
NHAI - PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**



Annexure -8

Unqualified Commitment Certificate

It is confirmed that this office is fully agreeing to pay such amount as the Govt./Forest/Wildlife Department directs/decides, as may be required to defray the cost on.

- a) Compensatory Afforestation as per Govt. instruction.
- b) Clearance and removal of vegetal growth on the Forestland.
- c) N.P.V. for forest land diverted.
- d) Fencing & related expenditure etc.
- e) Other expenditure as per Forest/Wildlife Department direction/demand.

For project, namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari,  
Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)

Annexure -9

CERTIFICATE TO GET THE ENVIRONMENT CLEARANCE

Certified that the project road "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)." is under prevue of Environmental Clearance.

As per the EIA notification 14th, September 2006 and further amendments thereof. Environmental Clearance is under progress as ToR for EIA study is already awarded in on 2nd March 2020 in 230th EAC meeting dated 28-29 January 2020 F. No. 10-3/2020-IA.III

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**

WILDLIFE CERTIFICATE

Certified that forest area which is required to be diverted for construction of project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)." is also partly under ESZ of Udanti-Sitanadi Tiger Reserve/Sanctuary. Project passes through Tiger Corridor between proposed chainage 104+930 to 108+348 which is also part of ESZ of Udanti-Sitanadi Tiger serve/ Wildlife Sanctuary.

Wildlife clearance is required and submission of Wildlife Clearance Proposal is under progress.

Date: - 25/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C. G.)

Annexure –11

ARCHEOLOGICAL IMPORTANCE CERTIFICATE  
(Certificate of Project Authority)

This is to certify that total 228.0425 hectares, of Forest Area is required to be diverted for project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

Further, it to state that it is very unlikely to affect any monument site of cultural, historical, religious, archeological or recreational importance as during survey & investigation no such area is identified.

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)



## Annexure –12

### JUSTIFICATION FOR ALTERNATIVE ALIGNMENTS (Certificate of Project Authority)

This is to certify Proposal for diversion of 228.0425-hectare forest land for the project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)." is greenfield alignment partly (35.020 km) falling within ESZ of Udanti-Sitanadi Tiger reserve/Sanctuary.

Due to increase in traffic and to enhance connectivity the proposed road would act as the prime artery for economic flow to this region. This alignment is chosen as ;

- It is the best suitable alignment and design from technical point of view and requiring minimum forest area and tree cutting.
- Earthwork cutting and banking is minimum.
- Minimum possible numbers of trees are affected.
- There is no suitable alternative non-forest land to construct the road and avoid laying of alignment through (ESZ) of Wildlife and forest area.
- In Chhattisgarh project road length is of 124.661km. The proposed National Highway is Green field alignment and proposed for 6 lane National Highway which further connect to Visakhapatnam.

Alternatives examined for this project is enclosed with proposal under forest (Conservator) Act 1980.

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**

Annexure- 13

Status of settlement of rights under the Forest Right Act, 2006  
(Certificate/Undertaking of Project Authority)

As per the provision and in compliance of the Ministry of Environment Forest & Climate Change (MoEFCC), Government of India, letter no. 11-09/98-FC(pt.) dated 3rd August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the processes of settlement of right under the scheduled Tribe and Other Traditional Forest Dweller ( Recognition of Forest Right) Act 2006 ("FRA for short") on the forest land proposed to be diverted for non-forest purpose with MoEFCC's letter dated 5<sup>th</sup> February 2013 wherein MoEFCC issued certain relaxation in respect of liner projects.

This is certified that at the time of uploading forest land diversion proposal, "FRA" is not completed and is under progress for the project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

Further, we hereby please to give undertaking that applicable procedure will be followed as per provision and the "FRA" certificate will be uploaded/submitted to concerned Forest Department in prescribed format (Form-1, for linear projects).

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature  
**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**



Undertaking to adhere Standard Conditions stipulated by Forest Department

Name of Proposal: - "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

This to certify and undertake that all applicable standard conditions as prescribed by MoEFCC for forest land diversion in relation to road project shall be acceptable to Proponent. The conditions to be imposed at the time of according Stage-I approval and to be complied with before Stage II approval shall be agreed and acceptable.

The General and Standard conditions prescribed by MoEFCC and will be acceptable to proponent are as follows;

**General Conditions**

- i. Cost of compensatory afforestation as per the CA scheme may be realized from the user agency;
- ii. Net Present Value (NPV) of the forest land being diverted for non-forestry purpose may be realized from the user agency, as per Ministry's directions issued vide letters No. 5-3/2007-FC dated 5th February 2009 and Hon'ble Supreme Court of India's Order dated 30th October 2002, 28th March, 2008, 24th April, 2008 and 9th May 2008;
- iii. As per orders of the Government of India vide letter No. 5-2/2010- CAMPA dated 24.06.2011, the net present value of the forest land and all other CA levies shall be deposited in State specific CAMPA account (s) maintained by the Ad-hoc CAMPA at New Delhi and this office may be informed along with a duly filled in prescribed proforma;
- iv. The user agency shall furnish an undertaking to pay additional amount of NPV, if so determined as per final decision of the Hon'ble Supreme Court of India; and
- v. A certificate in respect of complete settlement of rights, in terms of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land proposed to be diverted along with documentary evidence stipulated by the Ministry in its letter No. 11-09/1998-FC (pt) dated 3rd August, 2009, 5th February, 2013, and 5th July, 2013, as applicable to this project, be submitted.

The use of forest land will not be allowed till final approval is accorded.

To be complied with after Stage II approved is accorded (These Conditions shall also be Imposed at the time of according Stag-II Approval)

**(1) General condition**

1. Legal status of the forest land will remain unchanged;
2. The forest land will not be used for any other purpose than that mentioned in the proposal;
3. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department, or person without approval of the competent authority.
4. The layout plan of the proposal shall not be changed without the prior approval of the Central Government.
5. No damage will be done to the adjoining forest land;
6. No labour camp shall be established on the forest land;
7. Compensatory afforestation will be done within one year from the date of issue of final approval over the extent of land as approved, out of the funds provided by the user agency;
8. The user agency shall carry out muck disposal at pre-designated sites in such a manner so as to avoid its rolling down and should be taken up as per the scheme approved by the Forest Department

  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)



9. As recommended by the Geologist and Task Force, the required soil conservation measures should be taken up by the user agency for which fund should be provided as per the current rate of works;
10. The User Agency shall provide firewood preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
11. The boundary of the forest land being diverted shall be demarcated on ground at the project cost, using four feet high RCC pillars, each pillar inscribed with the serial number, DGPS coordinates, forward and backward bearings and distance from pillar to pillar etc.;
12. The User Agency shall ensure that because of this project, no damage is caused to the flora and the wildlife available in the area;
13. The user agency will assist the State Government in conservation and preservation of flora and fauna of the area in accordance with the plan prepared by the Chief Wildlife Warden of the State.
14. The user agency in consultation with the State Government shall create and maintain alternate habitat/home for the avifauna: whose nesting trees are to be cleared in this project. Bird's nests artificially made out of eco-friendly material shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;
15. Any other condition that this Regional Office may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife;
16. The User agency shall submit the annual self-compliance report in respect of the above conditions to the State Government and to the concerned Regional Office of the Ministry regularly; and
17. It will be the responsibility of the State Government/User Agency to obtain all other prior approvals/clearances under all other relevant Acts/Rules/Court's Rulings/instructions, etc., including environmental clearance, as applicable to this proposal.
18. The Regional Office may revoke/suspend the clearance, if implementation of any of the above conditions is not satisfactory. State Government will ensure compliance of these conditions through forest department.
- (Specific Conditions for Road Project)
- i. User agency shall endeavor to avoid felling of trees existing on the forest land proposed to be utilized. If unavoidable, in any cases not more than.....trees and .....plants will be removed; (Number of trees to be jointly verified)
- ii. The trees should be felled under strict supervision of the State Forest Department;
- iii. The User agency shall consult organization(s) having experience in construction of roads in hilly areas to avoid frequent road blockade due to landslides, etc., and shall provide breast walls and retaining walls wherever necessary.
- iv. The user agency shall raise strip plantation on both sides and central verge of the road at the project cost as per IRC specifications with maintenance of seven to ten years. User agency shall also submit design of providing at least two to three rows of long rotation indigenous trees, as per provisions of IRC-SP -21-2009 (guidelines on landscaping and tree plantations) on either side of road before final clearance;
- v. The User Agency shall not collect any toll from the vehicles carrying forest officers on duty;
- vi. A study may be commissioned by the Government to assess the impact of tree felling along the roads including resultant impact of winds and storms due to likely loss of shelter belt.

Date: - 28/06/2021


Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)



Annexure- 15

Undertaking to adhere Task Force Recommendations

Name of Proposal- "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

This is to certify that the recommendations of "Task Force" constituted by Planning Commission as detailed below and whatsoever applicable in above said project road are fully acceptable to this office.

1. Lay out of the Land be followed as far as possible
2. Heavy cutting/filling be avoided as far as possible. The technology of cut and fill method is to be adopted. Steep hill slopes also be avoided.
3. Unstable/Slide-Prone areas to be avoided. For identifying such areas, the advice of Geotechnical engineers and geologists to be taken during the survey for the alignment.
4. Comparison of various possible alignments with reference to erosion potential be made and the alignment involving minimum erosion risk be performed.

Apart from the stage of planning the road alignment, effective steps are also required to be taken by ground engineer during the process of road construction for minimized ecological disturbance to the hill roads. Broadly the measures to be taken have been identified as;

- a. Cut and Fill method to be adopted while excavating for road formation and heavy earth cutting is to be avoided. Box cutting is to be avoided to the extent possible.
- b. Blasting by explosives is to be restricted to the minimum. Lay out of holes to be drilled for blasting is to be planned keeping in the view of line of least resistance and the existence of Joints. Controlled Blasting should be repeated using low charge and care to be taken to avoid activating slide zones or widening fissures and cracks in rock. Use of delay detonators in large scale blasting work is to be made for aniline dispersion of shock waves so that minimum disturbance is caused to the rock stratum as a result of the blasting process.
- c. All cut slopes, unusable hill side and slide prone erosion prone areas are to be provided with suitable correction measures by using one or the other of the techniques developed by CRRI. Several techniques have been sponsored by CRRI like simple vegetative turning, bitumen much treatment and slide treatment by jute netting coir netting of these simple vegetative turning seems to be the most appropriate preventive measure in many situations. This should be established in the denuded slopes immediately after the excavation is made.
- d. Adequate drainage measures and protective structures like intercepting catch water drains, longitudinal drains/culverts, breast walls, retaining walls are provided for purposes of establishing the slips. Growth vegetative cover is stimulated in the disturbed hill slopes above the road level by planting suitable fast-growing shrubs and plants. In certain selected unstable areas terraced has also been plasticized as a stabilizing measure with good results

  
PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)

- e. Over the past few years, the roads wing of the Ministry of Shipping and transport has issued instruction laying down broad guidelines and check list of the preparation of road construction projects which provide an inbuilt mechanism of tackling landslides/erosion control for the guidance and follow up action by engineers of state 'PWD' Border Roads Organization and other engaged in construction of hill roads, these should be observed.

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)

Annexure – 16

Undertaking/certificate for bearing additional cost for increased NPV rate in future

Name of Proposal- "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

Certify that in future, if the rate of NPV is increased by Honourable 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 /Wildlife Department on time.

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**

Annexure - 17

Land ownership Certificate /Undertaking

Name of Proposal- "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

*Certified that "In -Principle" Project road is approved from Gol vide notification no. S.O 3807 (E) dated 5/12/2017 and land acquisition process is ongoing, once land transferring process is completed, land on/along within Right of Way (RoW) of above said road will be under Jurisdiction, control and ownership of National Highway Authority of India (MoRTH).*

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)



Annexure – 18  
Commitment certificate in case of violation

Name of Proposal: - "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

Certified that in case of violation of Forest Conservation Act 1980, *office of the project Director National Highway Authority of India -PIU Dhamtari, Chhattisgarh* is committed to adhere the conditions of Government of India / Government of Chhattisgarh on Imputed tree plantation and defrayal of its cost for the above said project.

Date: - 28/06/2021

Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C. G.)

Annexure – 19  
Commitment certificate

Name of Proposal: - "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

Certified that *office of the project Director National Highway Authority of India -PIU Dhamtari, Chhattisgarh* is committed for defrayal of the cost against removal of trees and maintenance of trees planted under CA implementation till ten years for the above said project.

Date: - 28/06/2021  
Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature  
**PROJECT DIRECTOR**  
NHAI, PIU, Dhamtari (C.G.)

Annexure – 20

CERTIFICATE FOR NO CIVIL WORK COMMENCEMENT IN FOREST AREA  
(Project Authority)

This is to certify that no civil work has been started in forest area proposed to be diverted for the project namely "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661)."

Also, undertake that unless forest clearance and Wildlife clearance are accorded, civil work will not be started in those forest areas for which forest land diversion proposal has been submitted. Further, it is also to undertake that in case, diversion of forest land is denied, project shall be executed on existing alignment and work on non-forest land shall not be cited as a reason for grant of approval of diversion of forest land under the Forest (Conservation) Act, 1980. Work on non-forest land will not confer any right on the User Agency with regard to grant of approval under the Forest Act/Wildlife Act. Further, in case approval under the Act is declined for widening/construction of road, width of the portion of road falling in the forest land/ESZ will be maintained at its existing level.

Date: - 25/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)



CERTIFICATE/UNDERTAKING TO ADHERE SUGGESTION & RECOMMENDATION OF GEOLOGIST  
(project Authority)

Name of Proposal: "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)."

This is to certify and undertake that all the suggestion & recommendation of geologist will be adhere and implanted in project in true spirit.

Date: - 28/06/2021  
Place: - Dhamtari

Project Director  
NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savvasachi Choudhury



Seal & Signature  
**PROJECT DIRECTOR**  
**NHAI, PIU, Dhamtari (C.G.)**

Annexure- 22

CERTIFICATE/UNDERTAKING TO PROVIDE KEROSENE OIL/ LIQUIDE PETROLEUM GAS TO  
CONSTRUCTION LABOUR FOR COOKING  
(project Authority)

Name of Proposal: - "Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124.661)." ~~4~~

This is to certify and undertake that Project Authority through Concessionaire/Contractor will insure and provide required quantity of Kerosene oil / Liquide Petroleum Gas to all construction worker for the purpose of cooking.

Date: - 28/06/2021

Place: - Dhamtari

Project Director

NHAI – PIU Dhamtari, Chhattisgarh

Name: - Savyasachi Choudhury



Seal & Signature

PROJECT DIRECTOR  
NHAI, PIU, Dhamtari (C.G.)