

PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Certificate about project Area living within or outside Scheduled Tribal Area

Certified that the Proposed Project area is outside the Scheduled Tribal Area.

Date:

Place: Aurangabad

for 2/1/13
Burda


Project Director
NHAI-PIU Aurangabad

PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Net present Value

Certified that the Project Authority agrees to defray the Net Present Value of Gut No./Sy.No. 73 of Village Devlai , Gut no. 250 & 330 of village Satara Tal. Aurangabad, District Aurangabad as fixed by the Forest Department for the Area **11.78 Ha** proposed for acquisition for the project of four lane of Aurangabad to Karodi section of NH-211 in the state of Maharashtra.

Date:

Place: Aurangabad


Project Director
NHAI-PIU Aurangabad



PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND -IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Wild Life Certificate

(Project area is not included in National Park, Wild Life Sanctuary)

This is to certify that area proposed for Four lane of Aurangabad to Karodi section of NH-211 Project the project Village Devlai & Satara .Tal Aurangabad .Dist. Aurangabad is not included in the area of any National Park/Wild Life Sanctuary or Nature reserve.

Date:

Place: Aurangabad


Project Director
NHAI-PIU Aurangabad



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Compensatory Afforestation Cost

Certified that the Project Authority is agreed to define the cost as determined by the Forest Department of Compensatory Afforestation in Gut/Survey No.516 of Village Georai Shammi Tal Sillod .District Aurangabad for ten years period for land admeasuring 11.78.ha. out of 43.71 Ha area.

Date:

Place: Aurangabad


**Project Director
NHAI-PIU Aurangabad**



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No Violation of Forest Conservation Act 1980/Guidelines under it

This is to certify that the provisions of Forest Conservation Act 1980 and guidelines under it has not been violated in Project of Four lane of Aurangabad to Karodi of section NH-211 Village Devlai & Satara .Tal Aurangabad Dist Aurangabad.

Date:

Place: Aurangabad



**Project Director
NHAI-PIU Aurangabad**



**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211
IN AURANGABAD DISTRICT, MAHARASHTRA**

Minimum Demand of Forest Area

Minimum demand certified that all other alternate for the purpose have been explored and demand for the required forest land total 11.78 ha from the Gut.No. 73 of village Devlai & Gut no. 250 & 330 of village Satara Taluka Aurangabad Dist Aurangabad is the barest minimum demand.

Date:

Place: Aurangabad

Bhishik


**Project Director
NHAI-PIU Aurangabad**

**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
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IN AURANGABAD DISTRICT, MAHARASHTRA**

Undertaking Certificate

For Compensatory Afforestation

We hereby please to give undertaking to bear the cost of raising and maintenance of compensatory afforestation or penal compensatory afforestation as well as cost for protection and regeneration of safety zone etc. as per the scheme prepared by the state government for the Four laning of Aurangabad to Karodi section of NH-211 in the state of Maharashtra.

Date:

Place: Aurangabad

Bhaskar


Project Director
NHAI-PIU Aurangabad

**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211
IN AURANGABAD DISTRICT, MAHARASHTRA**

Compensatory Afforestation Cost

Certified that the Project Authority is Agreed to define the cost as determined by the Forest Department of Compensatory Afforestation in the Gut.No. 73 of village Devlai & Gut no. 250 & 330 of village Satara Taluka Aurangabad Dist Aurangabad for ten year period for land Admeasuring 11.78 ha.

Date:

Place: Aurangabad


Project Director
NHAI-PIU Aurangabad



**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211
IN AURANGABAD DISTRICT, MAHARASHTRA**

Muck Disposal Certificate

The existing bituminous layers will be milled machines and collected at Plant site by using latest technology of recycling of the milled material, which is regenerate by adding admixture and emulsion. Thus the obtained mix will be reused in the construction of project highways. This practice is permissible under the Specification for highway published by Ministry of Road Transport & Highways (MORTH).

Hence, the project itself will not produce any muck to be disposed It is further stated that muck produced is very valuable material and is mixture of grit and bitumen which is not advisable throw it off.

Date:

Place: Aurangabad


**Project Director
NHAI-PIU Aurangabad**



**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
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IN AURANGABAD DISTRICT, MAHARASHTRA**

**When any Protected/Archeological/ Heritage site and other important Monument is located in
the area (Certificate by Archeology Department)**

This is to certify that proposed 4 laning of Aurangabad to Karodi section of NH-211 from Km 290.200 to Km 320.640 in the State of Maharashtra Project of Village Devlai, Satara Tal. Aurangabad Distt. Aurangabad is not likely to affect any monument site of cultural, historical, religious, Archeological or recreational importance.

Date:

Place: Aurangabad

Blue


**Project Director
NHAI-PIU Aurangabad**

**PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION
OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211
IN AURANGABAD DISTRICT, MAHARASHTRA**

Cost of felling of tree Certificate

This is to Certify that the Project Authority fully agrees to bear the cost of clearance removal of the vegetation growth from the forest land proposed to be released for non forest use of the construction of project of widening to 4 lane from Aurangabad to Karodi of NH-211 (Aurangabad –Dhule) from Km 290.200 to Km 320.640 at villages Devlai, Satara Tal. Aurangabad District Aurangabad.

Date:

Place: Aurangabad


Project Director
NHAI-PIU Aurangabad



PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE
JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND
WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Certificate Providing i.e. Water Supply; Facilities

Certified that the Project Authority agrees to provide water supply from the storage of the project as per the requirement of the forest department for afforestation at prevailing rate at the time of water supply as fixed by Government.

Date:

Place: Aurangabad


Project Director
NHAI-PIU Aurangabad



Forest Diversion Proposal for Four lane of NH-211 of from Aurangabad (CH 290.200 km) to Karodi (320.640 Km)										
Sr. No	District	Taluka	Village	Chainage Start Point	Chainage End	Compartment No.	Gut No.	Length In Meter	Width in Meter	Area in SQM
1	Aurangabad	Aurangabad	Devlai	300.15	301.088	286	73	938	60	56280
2			Satara	301.088	301.15	287	250	62	60	3720
				303.92	305.73	289	330	1806	32	57792
								Area in SQM		117792
								Area in Hact.		11.78

N. S. S.

Project Director
NHAI-PIU Aurangabad

S. S. S.

PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Net present Value

Certified that 11.78 Ha of forest land used in Four lane of Aurangabad to Karodi section of NH-211 Project lying in Compartment No 286 & Survey/ Gut No. 73 of Village Devlai & in Compartment 287,289 Survey/Gut no.250 & 330 of village Satara Taluka Aurangabad ofRange falls in..... working circle and has the density of

It is also certified that the amount of Net present Value of Forest Land calculated and collected for Rs.(In words and figures).....is exactly as per the rates and calculations provided in the Government resolution No.FLD-1002/CR-199/F-10 dated 19-12-2003 of Government of Maharashtra (Enclosed attested copy of Challan)

Date:

Place: Aurangabad

Divisional Forest Officer

Aurangabad Forest Division



PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Wild Life Certificate

(Project area is not included in National Park, Wild Life Sanctuary)

This is to certify that area proposed for Four lane of Aurangabad to Karodi section of NH-211 Project the project Village Devlai & Satara Tal Aurangabad Dist. Aurangabad is not included in the area of any National Park/Wild Life Sanctuary or Nature reserve.

Date:

Place: Aurangabad

Divisional Forest Officer (Wild life)
Aurangabad Forest division

Bhatal

PROPOSAL FOR THE ACQUISITION OF RESERVED FOREST LAND IN THE JURISDICTION OF DIVISIONAL FOREST OFFICER FOR THE STRENGTHENING AND WIDENING OF NH-211 IN AURANGABAD DISTRICT, MAHARASHTRA

Certificate of Forest Department Violation/No Violation of Forest Conservation Act 1980

Certified that the work of Four lane of Aurangabad to Karodi section of NH-211 .Project Village Devlai & Satara Tal. Aurangabad Dist Aurangabad has not been started in Forest Land as well as in Non-Forest Land and No Violation of Forest (Conservation) Act 1980 and or its guidelines have been committed. The work in Forest Land will be started only after Government of India accords permission.

Date:
Place: Aurangabad

Divisional Forest Officer
Aurangabad Forest division,
Aurangabad

**COST BENEFIT ANALYSIS FOR AURANGABAD-DHULE SECTION OF NH-211 IN THE STATE OF
MAHARASHTRA (AURANGABAD DISTRICT)**

A) Parameter for Evaluation of Loss of Forests

S.No.	Parameters	Descriptions
1.	Loss of value of timber, fuel wood and minor forest produce on an annual basis including loss of man hours per annum of people who derived livelihood and wages from the harvest of these commodities	Nil. No livelihood of people affected
2.	Loss of animal husbandry productivity, including loss of fodder	Nil
3.	Cost of human resettlement	Nil
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 due to the project.	Nil
5.	Environmental losses : (Soil erosion effect on hydrological cycle, wildlife habitat, microclimate upsetting of ecological balance)	<p>The total area of Reserved forest land along the project road required for the widening is 11.78 ha. The environmental loss for density 1.0 is Rs 126.74 lacs per hectare (As per Forest (Conservation) Act) for 50 years.</p> <p>Considering density of the forest as 0.4, the cost of environmental losses per hectare is Rs. 50.696 lakhs for 50 years.</p> <p>So, Environmental losses for total reserved forest affected are Rs 597.19 lakhs for 50 years.</p> <p>Therefore, Current environmental loss is Rs.597.19 lakhs</p>
6.	Suffering to oustees	Nil

Therefore Net Loss: Rs. 597.19 lakhs

B) Parameter for Evaluation of Benefit, notwithstanding Loss of Forests

S.No.	Parameters	Descriptions
1.	Increase in productivity attributable to the specific project	In lieu of total trees to be affected in reserved forest land, it is proposed to undertake at least twice of affected trees as compensatory afforestation as per Forest (Conservation) Act. So the net productivity will increase.
2.	Benefits of economy	<p>Socio-economic benefits due to the project will be:</p> <ul style="list-style-type: none"> • Better accessibility social infrastructure like educational institutions, health facilities, markets etc. • Savings in vehicular operating cost • Savings in travel time • Benefits to trade especially in movement of perishable

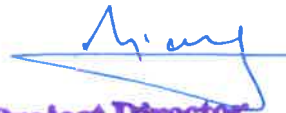
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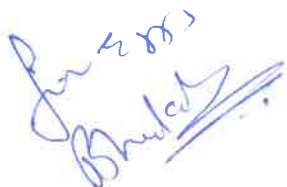
Bm

S.No.	Parameters	Descriptions						
		<p>goods</p> <ul style="list-style-type: none"> Reduced vehicular maintenance cost Reduction in accidents and Overall enhancement of socio-economic conditions of the area along the project corridor <p>Based on economic analysis of the project, the Economic Internal Rate of Return (EIRR) is as below:</p> <table border="1"> <thead> <tr> <th>Project</th><th>EIRR (%)</th><th>NPV @ 12 % (Rs. lakhs)</th></tr> </thead> <tbody> <tr> <td>Widening of existing road to 4 lane with paved shoulder</td><td>21.1%</td><td>116430.45</td></tr> </tbody> </table> <p>The results of Economic Evaluation show that the proposed upgrading of the project road to 4 lane is economically viable with EIRR 21.1% which is more than the discount rate of 12%. So total benefit of Economy due to the project = Rs. 116430.45 lakhs</p>	Project	EIRR (%)	NPV @ 12 % (Rs. lakhs)	Widening of existing road to 4 lane with paved shoulder	21.1%	116430.45
Project	EIRR (%)	NPV @ 12 % (Rs. lakhs)						
Widening of existing road to 4 lane with paved shoulder	21.1%	116430.45						
3.	No. of population benefited	Total no. of population likely to be benefited about 36 Lakh.						
4.	Employment potential	About 5,40,000 man days of employment will be generated during construction period of the project for a period of 3 years.						
5.	Cost of acquisition of facility on non-forest land wherever feasible	Nil						
6.	Loss of (a) agricultural & (b) animal husbandry production due to diversion of forest land	Nil. There is no existing practices in the affected area						
7.	Cost of rehabilitating the displaced person as different from compensatory amounts given for displacement	Nil. No displacement of person is required for the proposed diversion of forest.						
8.	Cost of supply of free fuel wood to workers residing in or near forest area during the period of construction	No fuel wood will be supplied to the workers during the construction period. Contractor will supply fuel for the cooking and other purposes in the worker's camp to the workers.						

Therefore Net Benefit: Rs. 116430.45 lakhs

Date:
Place:


Project Director
NHAI-PIU Aurangabad
 (Signature of User Agency)


 for 2883

FORM - 'A'

PART - 1

**FORM FOR SEEKING PRIOR APPROVAL UNDER SECTION - 2 OF THE PROPOSALS
BY THE STATE GOVT. AND OTHER AUTHORITIES**

1.	Project Details:	
(i)	Short narrative of the proposal and project/scheme for which the forest land is required.	Rehabilitation and Upgradation of existing Two lane to Four lane from Km 290.200 to Km 376.000 and Km 390.000 to Km 452.800 of NH-211 excluding Gautala Autram Ghat section (Km 376.000 to Km 390.000) in the State of Maharashtra on DBFOT (Toll) basis under NHDP-IVB Group B: Package-7.
(ii)	Map showing the required forest land. boundary of adjoining forest on a 1 :50,000 scale map	Location Map & Map showing the required Forest Land on Toposheet and Land Acquisition Maps for the Reserved Forest sections are attached
(iii)	Cost of the project	Approx. Rs. 2176.4 Crores
(iv)	Justification for locating the project in forest area	The proposal is for Rehabilitation and Upgradation of existing 2 lane to 4 lane from Aurangabad to Dhule section of NH-211. On the basis of traffic census, road widening is necessary As far as possible, the Widening of existing NH-211 is to be undertaken on the adjoining land to the existing NH-211, the Reserved Forest is the only option left.
(v)	Cost-benefit analysis	1. Improvement of Economy 2. Reduction in Vehicle Operating Cost (VOC) 3. Reduced Accidents 4. Generation of Revenue through Toll Plaza, Truck Parking/ Commercial Areas. 5. Driving Comfort due to improved geometric, smoother riding surface, segregation of local and long distance traffic, flyovers and bypasses. 6. Reduction in air and noise pollution. Cost-Benefit Analysis Attached
(vi)	Employment generated likely to be generated	5,40,000 man days Assuming 1500 number of man power for the project length for 1 Year. There will be 2 years of construction period. Assuming 180 working days in a year, the man days of 1500 workers for 3 years will be 5,40,000 man days. During construction & maintenance stage of the project, employment will be generated by the Concessionaire/ Contractor.
2.	Purpose-wise break-up of the total land required:	11.78 ha. forest land will be required.
3.	Details of displacement of people due to the project, if any	
(i)	Number of families	Nil
(ii)	Number of Scheduled Castes/ Scheduled Tribe families	Not Applicable.
(iii)	Rehabilitation plan	Not Applicable




4.	Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No)	Yes. TOR for EIA study is approved by MoEF. EAC committee minutes of meeting of 11 th August, 2014 and EIA studies is Not applicable.
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone. etc. as per the scheme prepared by the State Government	Undertaking Enclosed
6.	Details of Certificates/documents enclosed as required under the instructions.	Required Documents Enclosed

Date:

Place: Aurangabad

for EIA
Bhambhani


Project Director
NHAI-PIU Aurangabad

State serial No. of proposal _____

(To be filled up by the Nodal Officer with date of receipt)

PART -II

(TO BE FILLED BY THE CONCERNED DEPUTY CONSERVATOR OF FOREST)

1	Location of the Project/Scheme	:	
(i)	State/Union Territory	:	
(ii)	Districts	:	
(iii)	Forest Division	:	
(iv)	Area of forest land proposed for diversion (in ha.)	:	
(v)	Legal status of the forest (namely, reserve, protected/unclassified, etc.)	:	
(vi)	Density of vegetation	:	
(vii)	Species and diameter class wise abstract of trees	:	
(viii)	Vulnerability of forest area to erosion, whether it forms a part of a seriously eroded or not	:	
(ix)	Details of flora and fauna existing in the area	:	
(x)	Approximate distance of proposed site for diversion from boundary of forest	:	
(xi)	Whether it forms a part of national park, wildlife sanctuary, national reserve, biosphere reserve etc. and if so, details of the area involved. (Specific comments of the Chief Wildlife Warden to be annexed)	:	
(xii)	Whether any rare/endangered/unique species of flora and fauna found in the area - if so details thereof.	:	
(xiii)	Whether any protected archeological/heritage site/defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.	:	
2.	Whether the requirement of forest land as proposed by the user agency in Col. 2 of Part 1 is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternatives examined.	:	
3.	Whether any work in violation of the Act has been carried out (Yes/No). If yes, detail of the same incl. Period of work done, action taken on erring officials. Whether work in violation is still in progress?	:	
4.	Details of compensatory afforestation	:	

	scheme		
(i)	Details of non forest area/degraded forest are identified for compensatory afforestation, its distance from adjoining forest, no. of patches, size of each patch.		
(ii)	Map showing non-forest/degraded forest are identified for compensatory afforestation an adjoining forest boundaries.	:	
(iii)	Detailed compensatory afforestation scheme including species to be planted implementing agency, time schedule, cost structure etc.	:	
(iv)	Total financial outlay for compensatory afforestation scheme.	:	
(v)	Certificate from competent authority regarding suitability of are identified for compensatory afforestation and from management point of view.	:	
5.	Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7(xi, xii), 8 & 9 above.	:	
6.	Division/District profile:		
	i. Geographical area of the district	:	
	ii. Forest area of the district	:	
	iii. Total Forest area diverted since 1980 with number of cases	:	
	iv. Total compensatory afforestation stipulated in the district/division since 1980 on (a) forest land including penal compensatory afforestation, (b) non-forest land.	:	
	v. Progress of compensatory afforestation as on	:	
	(a) Forest Land	:	
	(b) Non-Forest land	:	
7.	Specific recommendations of the DFO for acceptance or otherwise of the proposal with reasons.	:	

Date:

Place: Aurangabad

Divisional Forest Officer
Aurangabad Forest Division,
Aurangabad, Maharashtra

PART - III
(TO BE FILLED BY THE CONCERNED CHIEF CONSERVATOR OF FOREST)

1. Whether site, where the forest land involved is located has been inspection by concerned Conservator of Forest (Yes/No.) If yes, the date of inspection and observation made on form of inspection note to be enclosed.	:	
2. Whether the concerned Conservator of Forest agree with the information given in Part - II and the recommendations of DFO.	:	
3. Specific recommendation of concerned Conservator of Forest for acceptance of otherwise of the proposal with detailed reasons.	:	

Date:

Place:

**Chief Conservator of Forests,
Aurangabad, Maharashtra**

Official Seal: -----

PART - IV

**(TO BE FILLED BY THE NODAL OFFICER OR PRINCIPAL CHIEF CONSERVATOR OF FORESTS OR HEAD
OF FOREST DEPARTMENT)**

4. Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks	:	
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(While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).

Date:

Place:

Name & Designation

Official Seal: -----

PART - V

**(TO BE FILLED BY THE SECRETARY IN CHARGE OF FOREST DEPARTMENT OR BY ANY OTHER
AUTHORIZED OFFICER OF THE STATE GOVERNMENT NOT BELOW THE RANK OF AN UNDER
SECRETARY)**

5. Recommendation of the State Government (Adverse comments made by any officer or authority in Part - II or Part- III or Part IV above should be specifically commented upon)	:	
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Date:

Place:

Name & Designation
(Official Seal)