

Attachment-1
Brief note on Project Development Proposal

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

Background

Ministry of Road Transport & Highways (MoRT&H) is responsible for maintenance and development of NH network in the country. MoRT&H has decided to take up development of NHs under corridor approach. Under this programme long stretches of NHs are proposed to be taken up for improvement and capacity augmentation. Accordingly, Ministry has decided to take up Feasibility study cum DPR for development of NH-119.

NH-119 connects Meerut, Muzaffarnagar, Bijnor and Najibabad in the State of Uttar Pradesh and Haridwar in the State of Uttarakhand. NH – 119 (New NH - 34) is proposed to be developed with 4 lane configuration to provide alternative connectivity to Haridwar and for Kanwar Yatra (an annual pilgrimage of devotees of Lord Shiva, known as Kanvarias, to Hindu pilgrimage places of Haridwar, Gaumukh and Gangotri in Uttarakhand). Thousands of devotees from surrounding states of Delhi, Uttar Pradesh, Haryana, Rajasthan, Punjab, Bihar and from Jharkhand, Chhattisgarh and Madhya Pradesh reach these places to participate in Kanwar Mela. Heavy security measures are undertaken by the government and the traffic on Delhi-Haridwar National Highway (National Highway 58) is diverted to NH 119 for the period. The festivals run during the monsoon month Shraawan (July–August).

The subject project road provides connectivity from take-off point at NH-58 to NH-119 (near Meerut) and at terminal point on Nazibabad on NH-74 to ensure seamless movement of traffic on NH-58, NH-74 & NH-119. Construction of bypasses, bridges, Replacement of weak structures, construction of missing bridges/ ROBs and identification of black spots and their mitigation are integral part of this programme.


Project Road Location

Project Corridor under study is a part of National Highway No. 119. From Meerut to Nazibabad and project road alignment traverse South West to North East. The Project Road starts at Meerut at junction with NH-58 (km 70/800) and passes through Meerut, Muzaffarnagar and Bijnor districts of Uttar Pradesh state and terminates at Nazibabad (km 116/000) at junction with NH-74 (km.50/000). The total length of Project Road under study is 116 km. Entire Road stretch passes entirely through three districts namely Meerut, Muzaffarnagar & Bijnor in state of Uttar Pradesh State.

The location of the Project Road lies between Meerut 28°57'0" N, 77°40'0" E, & Nazibabad 24°63'0" N, 78°33'0" E. The Project Road passes through Northern area of Uttar Pradesh State. The altitude of the Project Road area mainly lies between Meerut 225.00 m to Nazibabad 295.00 m above MSL. One manned level crossing is at chainage km 99/750 (Near Kiratpur) and one ROB two lane width km 113+900 in between Jalalabad and Nazibabad Town portion.

Project Development Proposal

Significant part (about 37.635 km) of Project Road alignment passes through Hastinapur Wild Life Sanctuary and its ESZ thus considering the road sections passing through WLS the project road is divided into three Construction Packages as stated below:

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S. No.	Package No/ Existing Ch.	Design Length	Remarks
1*	Package – I (from km 11+500 to km 39+240)	27.750 km	Under construction
2	Package – II (from km 39+240 to km.86+590)	39.470 km	Proposal under consideration
3*	Package – III (from km 86+590 to km 112.545)	26.200 km	Under construction

* Forest clearances already obtained and Physical progress for Package – I & III is about 50%.

NHAI requested Wildlife Institute of India (WII) to conduct a biodiversity impact assessment, wildlife study and to prepare a mitigation and conservation plan for the project under consideration (i.e. package - II), vide letter dated 30.07.2021. Directives to conduct the study were also issued by the Principal Chief Conservator of Forest (HoFF), Lucknow vide letter dated 08.09.2021.

WII vide letter dated 15.04.2022 submitted detailed project report regarding the mitigation and conservation plan for subject section of NH – 119 (Package - II). Wherein, the WII suggested realign the project proposal considering the bird breeding site. New proposal for realignment was presented before the WII and the WII issued consent on 22.06.2022.

DFO Muzaffarnagar vide letter dated 01.07.2022 requested for submitting the detailed proposal by incorporating the recommendations of WII dated 15.04.2022 & 22.06.2022. Forest letter – in reference to the WII report. All mitigation measures and the recommendations suggested by WII have been incorporated in instant project proposal.

Instant forest land diversion proposal deals with Section/ package II from Km 39+165 to km 78+635, measuring total length 39.470 km.

Site Appraisal

NH-119 is proposed to be developed as 4 lane road to provide alternative connectivity to Haridwar and for Kanwar Yatra, an annual pilgrimage of devotees of Shiva, known as Kanvarias, to Hindu pilgrimage places of Haridwar, Gaumukh and Gangotri in Uttarakhand. During, Shrawan Mela (July-August) hundreds of thousands of devotees from surrounding states of Delhi, Uttar Pradesh, Haryana, Rajasthan, Punjab, Bihar and from Jharkhand, Chhattisgarh and Madhya Pradesh reach these places to participate in Kanwar Mela. During Mela Period each year heavy security measures are undertaken by the government and the traffic on Delhi-Haridwar national highway (National Highway 58) and traffic are required to be is diverted for the entire period of Mela.

Benefits of the Project

The proposed project is an up-gradation of existing 2 lane National Highway -119 to 4 lane road standard configuration. Alternative like construction of bypasses and realignments have been proposed to minimize land acquisition and adverse environmental impact. The project achieves its significance due to a large number of reasons. The improvement to this road will reduce the travel time and increase the traffic volume capacity & level of service. The project will have multiple benefits as it will provide all weather high speed National Highway.

More specifically, the project will: -

- NH-119 is proposed to be developed as 4 lane road to provide alternative connectivity to Haridwar and for Kanwar Yatra, an annual pilgrimage of devotees of Shiva, known as Kanvarias, to Hindu pilgrimage places of Haridwar, Gaumukh and Gangotri in Uttarakhand.

- b. Provide alternate route for Kanwar Yatra.
- c. Enhance the road condition and useability of the state trunk roads including linked connectivity to NH 58 and NH 74. This road will provide smooth connectivity to Haridwar and Rishikesh.
- d. It will help in achieving smooth and safe traffic flow and substantial economic benefit in terms of reduced vehicle operation cost (VOC) Increase travel speeds, and reduce travel time, accidents, and vehicle emissions.
- e. Ensure more efficient road asset development and management, and higher quality of construction and maintenance, resulting in decreased recurrent costs over the medium and long term.
- f. Accelerate the social and economic development in the state through improves access to socioeconomic services, increase employment opportunities, and improve transport services.
- g. Reduction in accidents and emission/ pollution
- h. Better approach to Medical & Educational services and quick transportation of perishable goods like fruits, vegetables and dairy products.

Improvement Proposal

The improvement proposal consists of improvement to existing carriageway by raising, reconstruction/new construction/ widening to 4 lanes with 1.50 m paved shoulder on both sides with granular shoulders. The improvement proposal includes improvement to geometrically deficient curves and grades to meet the geometrical standards, Realignments. The existing minor and major bridges proposed for strengthening / reconstruction / widening / new construction as per standards of MoRT&H. It is also proposed reconstruction / widening / new construction of Hume Pipe Culverts / Slab drains to meet the National Highway standards.

Scope of Work

Table 1: Physical Scope (Package- II)

Sr. No.	Silent Features	Scope for Proposed Improvement
1)	Homogeneous Section	From Km 39+165 To Km 78+635
2)	Design Chainages	From Behsuma at Km. 39.165 (Ex. Km.39+240) To Bijnor at Km. 78.635 (Ex. Km.86+590)
3)	Total Length	39.470 Km (Four Lane carriageway with 2 x 1.5m Paved shoulders with or without Service Road and drain with Footpath in built-up sections)
4)	4 Lane Road	39.470 Km
5)	2 Lane Road	NIL
6)	Service/Slip Road	17.530 Km on BS, (35.060 Km Linear)
7)	Walk Way	NIL
8)	Bypass	21.550 Km
9)	Realignment	4.400 Km (including the realignment suggested

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Sr. No.	Silent Features		Scope for Proposed Improvement
			by WII in Wildlife Study report)
10)	Drainage		1.680 Km on BS (3.360 Km Linear) for 1.50m wide drain RCC drain with Footpath
11)	Intersection		17Nos. Grade Separated Junctions 24 No. Minor Junctions at grade Junctions
12)	Reconstruction		13.610 Km
13)	New Construction		25.960 Km
14)	Crust Design		For New Construction & Reconstruction/ Widening BC 40 mm DBM 100 mm WMM 150 mm CTSB 200 mm Total 490mm
15)	Structure -		
i)	Major Bridges	New Construction - Under Construction- Widening - Retained/Repair -	01 No. NIL 02 No. 02 Nos.
ii)	Minor Bridges	New Construction- Reconstruction- Retained/Repair - Widening	08 No. 05 No. NIL NIL
iii)	Slab / Box Culverts	New Construction - Reconstruction- Retained/Repair - Widening -	08 Nos. 05 Nos. NIL NIL
iv)	H.P. Culvert	New Construction - Reconstruction- Retained/Repair - Widening - At Junction - For Drainage	NIL. NIL NIL NIL 63 Nos. NIL
v)	VUP	New Construction -	11 Nos.
vi)	LVUP	New Construction -	05 Nos.
vii)	Animal Underpass	New Construction -	02 Nos. (As suggested by WII in Wildlife Study report)
viii)	ROB / RUB	New Construction -	NIL
16)	Toll Plaza		At Km. 70.100
17)	Rest Area		At Km. 67.670on LHS & 68.650on RHS
18)	Truck Lay Bay		At @56.160 km & 76.700 km (on both side)
19)	Bus Bay/ Bus Shelter		18 No. Bus Shelter incl. B/S, 2Nos. Bus Bay with Bus Shelter incl. B/S
20)	Utility Service Pipe		80 nos. (Utility pipe in C.C. Pipe - 600mm @ 500.00 m c/c)
21)	Over Head Portal		8 No. (Overhead Sign gantry)

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Sr. No.	Silent Features	Scope for Proposed Improvement
		26 No. (cantilever Sign gantry)
22)	Steel Railing	8.006 Km (Linear)
23)	Road Furniture	39.470 Km.
24)	Traffic signage for road safety	39.470 Km.
25)	Metal Beam Crash Barrier	16.920 km
26)	Shifting of Electric/Telephone Poles, Water Pipeline	As Utility Relocation Plan
27)	Horticulture	Median Plantation (35000 nos) & Road side Tree plantation (12000 nos.)
28)	Street Lighting	Street Lighting at Built-up sections & RE Wall Approach sections. High mast light at Truck Lay Bay, Toll plaza & Important Junctions.
29)	Noise barrier	1300 m
30)	Rain Water Harvesting Units	80 Nos.

Date: - 10/10/2022

Place: - Meerut

6/10/22
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