

ANNEXURE-III

DETAILED NOTE ON THE PROJECT

The stretch of the road from “Davupally to Mallapalem Junction” in Andhra Pradesh is a part of recently declared National Highway by Government of India (GoI) and assigned as National Highway Number 565 (NH-565).

Now, Rehabilitation and Upgradation of the reach from Davupally to Mallapalem Junction i.e., from Km 133.922 to Km 154.900 is approved by the Ministry of Road Transport & Highways (MoRT&H), GoI.

NH-565 is the newly converted National highway. It is the important Highway starting from Nakrekal (in Telangana State) on NH-65 connecting Nalgonda, Macherla, Yerragondapalem, Kanigiri, Rapur, Venkatagiri, and terminating at its junction with NH-71 near Yerpedu in the state of Andhra Pradesh.

Widening and improvement of this section of NH-565 would further improve connectivity in terms of achieving smooth and safe traffic flow and improve level of service. In addition to above, substantial economic gain in terms of reduced Vehicle Operating Cost (VOC) and reduced travel time will be achieved.

Project road passing through Markapur WLM Division:-

The road from Km 133.922 to Km 154.900 is passing in Markapur WLM Division. The stretch from 133.922 to 142.200 comes under Mutukuru RF and remaining portion is under Markapur RF. Length of the forest stretch is of about 18.078 Km. **Mutukuru RF** and **Markapur RF** is under Markapur WLM Division.

In this stretch, existing road was formed prior to the year 1980, during the construction of Nagarjunasagar dam-for transportation of construction material. Hence, For construction of road a land width of 30m is required, out of which Bituminous surface will be 10m and the rest of land is for provision of earthen shoulders, side slopes and longitudinal drains and also for future widening in view of declaration new capital of AP (i.e. Amaravati), near to this road.

Therefore, the existing width of the road was taken as 0m for the purpose of calculation of area of the forest land to be diverted. The proposed right of way is 30m. A

Proposal for Diversion of Forest land for Two laning of Davupally to Mallapalem Section of NH-565 from Km 133.922 to Km 154.900, having a total length of 20.978 Km in the State of Andhra Pradesh

land width of 30m is to be diverted for widening of the road for a length of 18078m. The area of the land to be diverted in Markapur WLM Division is 54.000 Ha.

a) Mutukuru Reserve Forest:-

About a length 8278 m of project road, passes through Mutukuru Reserve Forest.

This stretch of project road mainly passes through Sirigiripadu beat of V.P South Range under compartment no.s 63, 64, 65.

Hence, we seek linear diversion of forest land to a width of 30m which requires 24.84 Ha of forest land in this Mutukuru RF.

b) Markapur Reserve Forest:-

About a length 9800m of project road, passes through Markapur Reserve Forest.

This stretch of project road mainly passes through Mallapalem and Komarolu beats of Yerragondapalem Range. Compartment no.s 183, 184, 182 falls under Mallapalem Beat and 169 (ENB-XI RF), 170, 172, 173, 174 (ENB-XI RF) falls under Komarolu Beat.

Hence, we seek linear diversion of forest land to a width of 30m which requires 29.16 Ha of forest land in this Markapur RF.

Therefore, the total area of the forest land to be diverted in all the above stretches together is 54.00 Ha only.

Salient Features of the Project:

S.No	Particulars		Details
1	Project name	:	Two laning of Davupally to Mallapalem Section of NH-565 from Km 133.922 to Km 154.900 having length of 20.978 Km in the state of Andhra Pradesh
2	User Agency	:	Central Government , Ministry of Roads Transport and Highways
3	Total Length of the proposed project	:	20.978 Km
4	Total Revenue land Requirement (Ha)		4.72 Ha
4	Total Forest Area for which diversion is sought	:	Under VP South Range: 24.84 Ha. Under Yerragondapalem Range: 29.16 Ha Total Area: 54.00 Ha.

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S.No	Particulars		Details
5	Total Project cost	:	258.72 Crores
6	No of Districts	:	Two (Guntur and Prakasam District)
7	Total No. of Villages/Hamlets	:	Davupally, Kunkuduchettupenta, Murikimalla, Narajamulapalem, Narajamulathanda, Yendrapalli Village (Revenue).
8	No. of Forest Passing Hamlets	:	5 Villages (Davupally, Kunkuduchettupenta, Murikimalla, Narajamulapalem, Narajamulathanda)
9	Right of Way (Proposed)	:	30m
10	Design Speed	:	100 KMPH
11	Seismic Zone	:	Zone-III (Moderate)

Details about the project cost, typical cross sections are attached to this document.



Date:

Place:

Shrawan Kumar Singh),
Regional Officer, Ministry of Road
Transport and Highways, Vijayawada

**Regional Officer Ministry of
Road Transport & Highways, Vijayawada**

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ABSTRACT OF PROJECT COST

Consultancy Services for Preparation of Detailed Project Report for Rehabilitation and Upgradation of NH 565 from Km 133/922 to 154/900 to Two Lane with Paved Shoulder in the State of Andhra Pradesh Under NHDP IV			
ABSTRACT SHEET			
Upgradation of NH 565 from Km 133/922 to 154/230			
		Project Length:	20.31
S.No.	Bill of	Total Amount (in Rs.)	
1	BILL NO. 1 : SITE CLEARANCE AND DISMANTLING	36,47,880	
2	BILL NO. 2 : EARTHWORK	18,49,34,494	
3	BILL NO. 3 : GRANULAR SUB-BASE AND BASE COURSE	32,80,23,634	
4	BILL NO. 4 : BITUMINOUS COURSE	18,87,20,756	
5	BILL NO. 5 : CULVERTS	4,82,19,612	
6	BILL NO. 6 : BRIDGES	32,82,80,826	
7	BILL NO 7 : DRAINAGE AND PROTECTIVE WORKS	50,56,61,364	
8	BILL NO. 8 : TRAFFIC SIGN, MARKING & OTHER	1,03,15,061	
9	BILL NO. 9 : BUS-BYES	1,70,77,234	
10	BILL NO. 10 : MISCELLANEOUS & HIGHWAY LIGHTING WORKS	2,43,03,061	
A	Total Cost of Civil Works for FY 2019-20=	1,63,91,83,921	
	Cost per Km Rupees in Crores:	8.07	
B	Provision for GST @ 12% of (A) =	19,67,02,071	
C	Contingencies/QC @ 2.8% of (A) =	4,58,97,150	
D	Construction Supervision Charges @ 3% of (A) =	4,91,75,518	
E	Agency Charges @ 3% of (A) =	4,91,75,518	
F	Maintenance during DLP 5year payable to contractor @ 0.25% in 1st and 2nd Year, 0.5% in 3rd & 4th Year & 1% in 5th Year of A =	4,09,79,598	
G	Escalation for Two and Half years of construction period @ 7.5% of A =	12,29,38,794	
H	Total Project Cost Including Contingencies (A+B+C+D+E+F+G) =	2,14,40,52,570	
	Cost per Km Rupees in Crores:	10.56	
I	Non-Civil Works		
1	Budget for EMP	29,74,55,550	
2	Resettlement and Land Acquisition Cost	11,80,22,390	
3	Utility Shifting	2,77,25,000	
	Total Non Civil works	44,32,02,940	
	Total Capital Cost (Civil works+Non Civil Works) (H+I)	2,58,72,55,510	
	Total Project Length =	20.308	
	Project Civil Cost Per Km =	8.07	
	Project Capital Cost Per Km =	12.74	



Date:

Place:

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Regional Officer, Ministry of Road
Transport and Highways, Vijayawada

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Road Transport & Highways, Vijayawada**