

**GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT**

From Sri Y. Madhusudhana Reddy, IFS.,
Prl. Chief Conservator of Forests &
Head of Forest Force(FAC),
Andhra Pradesh,
Mangalagiri - 522 503.

To
The Spl. Chief Secretary to Government,
Environment, Forests, Science & Technology
Department,
Andhra Pradesh, Velagapudi,
Guntur District.

Ref.No.EFS02-15034/39/2021-FCASEC-PCCF/FCA-3,
dated:22/03/2023.

Sir,

Sub: APFD - F(C)Act, 1980 - Diversion of 60.06 ha (i.e. 59.82 ha in Narsipatnam + 0.24 ha in Paderu) of forest land in Narsipatnam and Paderu Divisions for Rehabilitation and Up-gradation to two lane with paved shoulder configuration of Koyyuru - Chaparathipalem - Lambasingi- Paderu section of NH-516E in the State of Andhra Pradesh in favour of RO, MoRTH, Vijayawada- Submission of proposal under F(C) Act, 1980 - Clearance under Section-2 of F(C)Act, 1980- Requested - Reg.

Ref:- 1. Online proposal no. FP/AP/ROAD/49639/2020, dated: 16.09.2020.
2. PCCF & HoFF, A.P, Guntur Rc. No. EFS02 -15034/39/2021- FCA- SEC PCCF/FCA-3, dated:03.02.2022
3. CCF, Visakhapatnam Rc. No. 3956/2020/To, dated: 07.09.2022 , 16.11.2022 & 20.02.2023.

It is submitted that, in the reference 1st cited, the Regional Officer, MoRTH, Vijayawada has submitted proposal in PARIVESH portal for diversion of 60.06 ha (i.e.59.82 ha in Narsipatnam Div + 0.24 ha in Paderu Div) of forest land in Narsipatnam and Paderu Divisions for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru - Chaparathipalem - Lambasingi- Paderu section of NH-516E in the State of Andhra Pradesh in favour of RO, MoRTH, Vijayawada.

Accordingly, the Chief Conservator of Forests, Visakhapatnam Circle, Visakhapatnam in the reference 3rd cited has processed the proposal under Forest (Conservation) Act, 1980 and submitted the statutory proposal in the prescribed proformae for diversion of 60.06 ha (i.e.59.82 ha in Narsipatnam + 0.24 ha in Paderu) of forest land in Narsipatnam and Paderu Divisions for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru - Chaparathipalem - Lambasingi- Paderu section of NH-516E in the State of Andhra Pradesh in favour of RO, MoRTH, Vijayawada with requisite certificates / undertakings.

The User Agency has furnished the following information in Part-I.

- Forest area to an extent of 60.06 ha is required for rehabilitation and up-gradation to 2L+PS configuration of Koyyuru-Chaprathipalem- Lambasingi- Paderu section (km120+000 to km 253+974) of NH 516E in the State of Andhra Pradesh under Green National Highways Corridor Project ((GNHCP)

with the loan assistance of World Bank on EPC mode

- Cost of the project is mentioned as 80027 lakh
- The user agency has justified that, the instant NH development is a part of MoRTH & World Bank's Green National Highway Corridor Projects (GNHCP). The alignment of roads being developed under GNHCP has been retained as existing alignments with minor realignments. As there is no alternative to this road, forest land to an extent of 60.06 ha is required to upgrade the instant road to NH Standard, from which 59.82 ha land falls in Narsipatnam forest division and 0.24 ha in Paderu forest division.
- The user agency has furnished undertakings for payment of CA, NPV, Addl. NPV, tree extraction charges etc.
- The User Agency has furnished cost benefit analysis and stated that, at present the traffic from Rajahmundry to Vizianagaram and Narsipatnam to Paderu are traversing about 30 km more than the proposed route. The development of this project road will save about 3000 liters of fuel per day for 2,800 Vehicles plying in this route, due to which 3000 liters per day x Rs.90 per liter = Rs.2,70,000/- per day will be saved. So, Rs.9.85 Crore (2,70,000 x 365) per annum in terms of fuel saving and time saving for the road users. For 20 years the turnover will be Rs. 197.10 Crore.
- The benefit to cost ratio being greater than 1 i.e. 20.33, hence the proposed project is viable as per the analysis and described criteria.
- No human displacement is involved due to construction of this road.
- No loss of public facilities involved in this project.
- Employment likely to be generated is 2000 permanent / Regular employment and 432000 person-days will be generated.
- The user agency has stated that, clearance under Environment (Protection) Act, 1986 is not required.

The Divisional Forest Officer, Narsipatnam has submitted the following information in Part-II.

- Forest area to an extent of 59.82 ha required in Narsipatnam Division for rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru-Chaparathipalem-Lammasingi-Paderu section of NH-516E including construction of culverts.
- Total length of the road is 133.974 Kms. Out of this, 34.5 km length is falling in RF and 62 culverts and 1 minor bridge (existing structures) in the proposed road.
- **Legal Status of the forest is as follows.**
 1. Bointhi RF notified under Section-15 of A.P. Forest Act, 1967.
 2. Sarugudu -IV RF notified under Section-15 of A.P. Forest Act,1967.
 3. Chintapalli RF notified under Section-15 of A.P. Forest Act,1967.
 4. Wangasara RF notified under Section-15 of A.P. Forest Act,1967.
 5. Lammasingi -I RF notified under Section-15 of A.P. Forest Act,1967.
 6. Krishnapuram RL notified under Section-15 of A.P. Forest Act,1967.
- The density of the forest in the nearby vicinity of the proposed road is between 0.4 to 0.7.
- There are 7,340 no. of trees (324 Teak and 7,016 no. of Non-teak/Misc.) and 1254 no. of Coffee (*Coffea Arabica*), 116 of Jafra (*Bixa orellana*) and

69 Pepper (*Piper nigrum*) falling within the proposed width of the road. Total number of trees including Teak, Non-teak, coffee, Jafra and Pepper is 8779.

- There is less vulnerability of forest area to erosion, as the area is having almost plain to gentle slope except in small patches.
- The area proposed for diversion is passing through the Reserve forests.
- The proposed alignment does not form a part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant corridor etc.
- No Rare / endangered/ unique species of flora and fauna are found in the area.
- No protected archaeological heritage sites / defense establishment or any other important monument is located in the area.
- The requirement of forest land proposed by the user agency is unavoidable and barest minimum for the project.
- No violation has been carried out by the User Agency.

The Location map in (S.I) Sheet in 1:50,000 scale, authenticated DGPS maps are furnished.

The Divisional Forest Officer, Narsipatnam has inspected the area proposed for diversion on 16.03.2022. The actual width required for the proposed NH road is **20 m including the width of the existing BT road in forest stretches S-1, S-2, S-3, S-7 & S-8 i.e. 3.66 m. (Single lane type) and where as in S-4, S-5 & S-6 it is 7.00 m. (Double land type). Depending upon the type of existing road, the user agency has proposed an additional width (including paved shoulder of width 1.50m and earthen shoulder of width 2.00 m on either side of the road).**

Out of 59.82 ha of area proposed for NH road diversion, an area of 2.27 ha (Bit no.-4 -0.45 ha and Bit-no.5 -1.82 ha) is passing through 12 coffee plantations raised by the AP Forest Development Corporation Limited (leased forest areas) in Chintapalli Range.

There are 7,340 no. of Trees (324 no. of Teak and 7,016 no. of Non-Teak/Misc.) falling within the proposed width, value of the trees is Rs.11,38,59,805/-.

Out of total 7,340 no. of trees , 303 no. of forest tree species (28 no. of Teak and 275 no. of Non-teak /Misc.) are existing in 11 coffee plantations to an extent of 2.27 ha and the value of the trees (303 no.) comes to Rs.1,70,58,438/-.

As per the following Gazette notification, the right of ways are admitted within the reserve forests.

1. **Bointhi RF block:** as per notification no.133 Section-16 of Fort St. George under Madras Forest Act (V-1882) dt. 20.01.1939. **R.W. no.XXI-** Tegalametta-Rampulu Bridle path and **R.W. no. XXII-** Pedavalasa-Chaparathipalem are admitted to a width of 10 yards. **R.W. no.XXIV-** krishnadevipeta-Koyyuru public works department Road, 30 feet wide, open to men, cattle and vehicles and permitted to all acts necessary for the repairs and maintenance of the road within a width of one chain either side from the center of the road but not entitled to the tree growth thereon.

2. **Lammsingi RL block-I:** as per notification no.1001 Section-4 of Andhra Pradesh Forest Act, 1967 (Act I of 1967), dt. 15.05.1970, **R.W. no.1 & 2** - Road from Chintapalli to Narsipatnam, the right of ways are proposed to be admitted in the block to a width of 6' (feet) in respect of foot-paths and 12' in respect of Roads (excluding Berms 6' in either side).
3. **Wangasara RF block:** As per notification no.490 Section-16 of Fort St. George under Madras Forest Act (V-1882), dt. 28.09.1936. **R.W. no.1** - Lammasingi- Lothugedda Road are admitted to do all acts necessary for the repairs and maintenance of the road within a width of on chain on either side from the center of the road but not entitled to the tree growth thereon.
4. **Krishnapuram RL block:** As per notification no.799 Section-4 of Andhra Pradesh Forest Act, 1967 (Act I of 1967), dt. 16.05.1968, Right of Ways to be admitted in the block at a width of 12 feet for meant and cattle **R.W. no.7** - Mule-path from Tajangi to Gangaraju Madugula entering the proposed block just by the side of station no.600 and runs generally in a northerly and thence north-easterly direction through the block over a distance of about a mile and 3 furlongs and leaves the block just by the side of station no.397 is to be admitted.
5. **Sarugudu Block -VI :** As per block notification of Sarugudu Block-VI, the Conservator of Forests permits the road authorities for the time being to do all acts necessary for the maintenance of the roads mentioned below over a width of one chain on either side from the center:-
 - a. Downur-Lammasingi road admitted as right of way in C.C.P. Mis . no. 319 d/7.7.23 and
 - b. Thotalur- Chintalapudi ghat road admitted as right of way in C.C.P. Mis . no. 224, dated: 08.09.25. The ghat road -30 feet wide span to men, cattle and carts.
6. **Chintapalli RF:** As per Fort. St. George, notification dated: 09.03.1895, there is a right of way for men and cattle.

As per the working plan of Narsipatnam Division for the period from 1979-80 to 1990-1991 indicating the presence of the following roads prior to 1980. Copy of the working plan is enclosed here with.

S. No.	Name of the Road	Range
(i)	Chintapalli to Krishna devipeta (K.D. Peta) via Pedavalasa	Chintapalli and K.D.Peta
(ii)	Lammasingi to Lothugedda (Metalled)	Lothugeda
(iii)	Narsipatnam to Sileru via Chintapalli (Black topped)	Narsipatnam, Chintapalli and Sileru
(iv)	Lothugedda to BaBalapam (Unmetalled)	Lothugedda
(v)	Gudem to Marripakala - Partly completed (Unmetalled)	Chintapalli and Marripakala
(vi)	Narsipatnam to Anakapalli via Makavarapalme(black topped)	Narsipatnam
(vii)	Tandava Reservoir to Tuni Road(metalled)	Narsipatnam

(viii)	Makavarapalem- Kodavati-pudi to Narsipatnam Ramachandrapuram road via Panduru (metalled)	
(ix)	Chidipalem to Marripakala road (unmetalled)	Marripakala

Copy of the site inspection report of the Divisional Forest Officer, Narsipatnam is enclosed herewith.

Accordingly, in column no. 13 of Part -II, the Divisional Forest Officer, Narsipatnam has **"Recommended"** the proposal as the required forest area is unavoidable for the project and no endangered and unique species of Flora and Fauna found in the proposed area.

The Divisional Forest Officer, Paderu has submitted the following information in Part-II.

- Forest area to an extent of 0.24 ha in compartment no.309 of Sirasapalli RF is required in Paderu division for rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru-Chaparathipalem-Lammasingi-Paderu section of NH-516E in the state of Andhra Pradesh.
- Legal Status of the forest is Sirasapalli RF notified under Section-15 of A.P. Forest Act, 1967.
- The Paderu -G madugula road has been in existence prior to 1980. The evidence/record for its existence prior to 1980 is Sariapalli RF block map. In the Sariapalli RF block Gazettee notification, there is no mention of this road in the admitted right of way.
- The density of the forest in the vicinity is 0.5.
- There is 17 no. of trees there in the area proposed for diversion List of the trees is enclosed herewith.
- The area is moderate to steep slope and there is little scope of soil erosion as the proposed area for diversion is very little.
- The area proposed for diversion is inside RF with in a distance of 5-10 m from the boundary.
- The proposed alignment does not form a part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant corridor etc.
- No Rare / endangered/ unique species of flora and fauna are found in the area.
- No protected archaeological heritage sites / defense establishment or any other important monument is located in the area.
- The requirement of forest land proposed by the user agency is unavoidable and barest minimum for the project.
- No violation has been carried out by the User Agency.

The Location map in (S.I) Sheet in 1:50,000 scale, authenticated DGPS maps are furnished.

The Divisional Forest Officer, Paderu has inspected the area proposed for diversion on 16.06.2022, stated that, the proposed road is passing through compartment no.309, Sirasapalli RF in G. Madugula Beat of Paderu (T) Range.

The total forest land proposed for diversion of rehabilitation and up-gradation to two land with paved shoulder configuration of Koyyuru - Chaparathipalem-Lambasing-Paderu section is 60.06 ha in Narsipatnam and Paderu. There is 17 no. of miscellaneous trees are falling within the proposed width of the road. The density of the forest in the vicinity is about 0.5. The User Agency did not carry out any work in violation of the provisions of Forest (Conservation) Act, 1980 and other relevant acts.

Accordingly, in column no. 13 of Part -II, the Divisional Forest Officer, Paderu has **"Recommended"** the proposal, as there is not much loss to flora and fauna, and this facilitates the conveyance to the local tribes with barest minimum disturbance to the environment.

Further as per para 2.5 (i) (f) of Chapter-2 of Comprehensive guidelines issued by the Government of India, MoEF &CC, New Delhi in F. No. 5-2/2017, FC, dated: 28.03.2019, degraded forest land for Compensatory Afforestation has been identified to an extent of 147.26 ha in Araku and Pedabayalu Ranges which is double the extent of RF proposed for diversion (60.06 ha.)

As per para 2.8 (ii) of Chapter -2 of Comprehensive guidelines issued by the Government of India, MoEF &CC, New Delhi in F.No. 5-2/2017, FC, dated: 28.03.2019, the Divisional Forest Officer, Paderu has prepared CA scheme to an extent of 120.12 ha for raising Compensatory Afforestation with a financial outlay of Rs. 758.70 lakh for a period of 12 years including Advance operations, Maintenance of Nurseries and Raising of Plantations commencement from 2022-23 to 2033-34. Suitability certificate of the land for raising CA is enclosed herewith. **Site inspection report of the CA land has been uploaded at Nodal Officer level.**

The Location map in (S.I) Sheet in 1:50,000 scale, authenticated DGPS maps of degraded forest area are furnished with the proposal.

The Chief Conservator of Forests , Visakhapatnam has inspected the area proposed for diversion on 20.08.2022, stated that, the total length of the proposed road is 133.974 km, the length of the road passing in Reserve Forest is 34.66 km (i.e. 34.56 km in Narsipatnam + 0.10 km in Paderu Division). The actual width required for the proposed NH road is 20 m. including the width of the existing BT road in the forest stretches. Depending upon the type of existing road, the user agency has proposed an additional width (including paved shoulder of width 1.50 m and earthen shoulder of width 2.00 m. of either side of the road.

Further, during the joint inspection, inspected some cane bamboo (*Arundinaria*), *Calamus latifolius* (cane) patches existing in K.D. Peta Range and thick natural vegetation at K.D. Peta and Rompula area limits in Narsipatnam division. There are many important species like Yegisa (*Pterocarpus marsupium*), Bandaru (*Adina cordifolia*), Maddi (*Terminalia elliptica*), Tamarind (*Tamarindus indica*), Hill mango (*Mangifera indica*) including many vines of Adda aku (*Bauhinia vahlii*) existing all along the proposed road. Preservation of these species is very essential as they are important in Timber/ minor forest product.

Further, the Chief Conservator of Forests, Visakhapatnam has also stated that, as per past experience, there is movement of wildlife animals like Panthers, Bisons, Sloth bears, Deers, Wild boars etc in the forest areas through which proposed road passes and as such a detailed wildlife management plan with mitigation measures on impact on wildlife and conservation concerns associated with road development proposals shall be mad and financial provisions shall be included in the scheme. **Site inspection report of the Chief Conservator of**

Forests, Visakhapatnam has been uploaded at Nodal Officer level.

In this connection, the User Agency has submitted an undertaking letter stating that, the required Wildlife Mitigation Plan for the instant Forest Clearance proposal is under preparation and will be submitted to the Forest Department at the earliest.

In Part -III, the Chief Conservator of Forests, Visakhapatnam Circle, Visakhapatnam has agreed with the information furnished by the Divisional Forest Officers, Paderu and Narsipatnam and **Recommended** the proposal for diversion of forest land.

In Part -IV, the Prl. Chief Conservator of Forests (FCA) & Nodal Officer, Andhra Pradesh has Recommended the proposal for diversion of forest land.

As per Government of India, MoEF &CC, New Delhi F.no.5-2/2017-FC, Dt. 28.03.2019, under RoFR Act, 2006, the user agency has uploaded the RoFR Certificate issued by the District Collector, Visakhapatnam District in the prescribed format for evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (RoFR) Act, 2006 at Divisional Forest Officer level.

Further, it is to submit that as per the guidelines issued by the Gol, MoEF, New Delhi this proposal has been uploaded in the Ministry's web portal (www.parivesh.nic.in) & a unique proposal number no. **FP/AP/ROAD/49639/2020** has been generated for this proposal. A copy of the Acknowledgment slip generated by the Ministry's web portal is enclosed herewith.

In view of the above, the statutory proposal along with necessary enclosures in (2) sets, for diversion of 60.06 ha(i.e.59.82 ha in Narsipatnam + 0.24 ha in Paderu) forest land in Narsipatnam and Paderu Divisions for Rehabilitation and Up-gradation to two lane with paved shoulder configuration of Koyyuru - Chaparathipalem - Lambasingi- Paderu section of NH-516E in the State of Andhra Pradesh in favour of RO, MoRTH, Vijayawada duly recommended in Part-IV, subject to the conditions stipulated in Gol, MoEF&CC, New Delhi in F. no.5-2/2017 (FC Division) Dt. 28.03.2019 is submitted herewith.

Government are requested to take necessary action for onward submission of proposal to Government of India, MoEF &CC, IRO, Vijayawada to accord forest clearance under Section-2 of Forest (Conservation) Act, 1980 and amendments therein as deemed fit in the matter.

Encl:- (2) sets of proposals

Yours faithfully,
Y Madhusudhana Reddy Ifs
Prl. Chief Conservator of Forests
Head of Forest Force(FAC)

Copy to the Chief Conservator of Forests, Visakhapatnam Circle, Visakhapatnam for information.

Copy to the Divisional Forest Officers, Paderu and Chintapalli for information and necessary action.

Copy to the Regional Officer, Ministry of Roads, Transport and Highways, Rajamarg Bhavan, Ranigarithota, Vijayawada for information and necessary action.

Copy to the Prl. Chief Conservator of Forests (WL) & CWLW, Office of the PCCF & HoFF, A.P, Mangalagiri for information.

I/734309/2023

PART-IV

Diversion of 60.06 ha (i.e. 59.82 ha in Narsipatnam + 0.24 ha in Paderu) of forest land in Narsipatnam and Paderu Divisions for Rehabilitation and Up-gradation to two lane with paved shoulder configuration of Koyyuru - Chaparathipalem - Lambasingi- Paderu section of NH-516E in the State of Andhra Pradesh in favour of RO, MoRTH, Vijayawada....

17	Detailed opinion and specific recommendations of the State Forest Department for acceptance or otherwise of the proposal with remarks (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)	Recommended.
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Date:03/03/2023

Place : Mangalagiri

Signature

Name: Anand Kumar Jha

Office Seal:

A.K. JHA
Principal Chief Conservator
of Forests (FCA) & Nodal Officer

Signed by Anand Kumar Jha

Date: 03-03-2023 10:55:09

Reason: Approved

Site Inspection Report of the Divisional Forest Officer, Paderu for diversion of 0.24 ha of forest land of Paderu division for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru – Chaparathipalem – Lambasingi – Paderu Section of NH-516E in the State of Andhra Pradesh from (km 120/000 to km 253/94) in Compt. No. 309 of Sirasapalli RF, G.Madugula Beat of Paderu Range on 16.06.2022.

Inspected the proposed area for diversion of forest land in Paderu Division for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru – Chaparathipalem – Lambasingi – Paderu Section of NH-516E in the State of Andhra Pradesh on 16.06.2022 along with Forest Range Officer, Paderu (T) range and G.Madugula section staff and officials of the User agency i.e., Project Director, Project Implementation Unit, MoRTH, Visakhapatnam.

The proposed road is passing through Compt. No. 309, Sirasapalli RF in G.Madugula Beat, G.Madugula Section of Paderu (T) Range in Paderu Division.



The total forest land proposed for diversion for rehabilitation and upgradation to two lane with paved shoulder configuration of Koyyuru – Chaparathipalem – Lambasingi – Paderu Section (Packages I, II, & III from km 120/000 to km 253/94) is 60.06ha in Narsipatnam and Paderu division. Out of that, an area of 0.24 ha is falling in Compt. No. 309, in Sirasapalli RF, G.Madugula Beat, G.Madugula Section of Paderu (T) Range in Paderu Division.

During joint inspection, it is found that there are 17 no. of miscellaneous trees are falling within the proposed width of the road as reported by the Forest Range Officer, Paderu (T). The density of the forest in the vicinity is about 0.5. The User agency did not carry out any work in violation of the provisions of Forest (Conservation) Act, 1980 and other relevant acts.

The proposed project road (Koyyuru-Paderu) connects Koyyuru, Krishnadevepeta, Chintapalli, Lambasingi, Paderu spanning through Visakhapatnam district, which forms an important artery for movement of main goods (e.g. coffee, spices, agricultural produce and seasonal crops) between Andhra Pradesh and Orissa, and form main connectivity between Rajahmundry, Vizianagaram, Orissa and West Bengal.

With reference to alternate "Compensatory Afforestation (CA)" land, as per the directions of the PCCF, A.P., Guntur, Degraded Forest Land (DFL) twice in extent of forest area that is proposed for diversion i.e. 147.26 ha has been identified as CA land in Araku and Pedabayalu Ranges and the authenticated DGPS map duly signed by the officials of Forest and user agency is appended in Part-I proposals.

The details of identified Degraded Forest land as CA land.

Sl. no.	Name of the Range	Name of the Section / Beat	Name of the Location	RF/Block	Compt. No.	GPS readings	Degraded Forest area in ha	Suitable area (ha)
1	Araku	Araku / Araku	Araku	Araku	122 & 123	18.32510 / 82.84089	26.55	26.55
2	Araku	Sunkarametta / Muliyaagalugu	Pittamamidivalasa	Pedalabudu	10	18.31231 / 82.93546	49.28	49.28
3	Pedabayalu	Sujanakota / Machipuram	Pedatamangula	Machipuram	417	18.36478 / 82.44038	23.72	8.00
4	Pedabayalu	Rudakota / Rudakota	Kumada	Uppacheruvu	401	18.35559 / 82.42199	24.01	24.01
5	Pedabayalu	Pedabayalu / Ginnelakota	Pedavancharan gi	Uppacheruvu	407	18.22998 / 82.49178	23.70	23.70
						Total :	147.26	131.54

Further, out of the 147.26 ha of Degraded Forest Land (DFL) which was identified for Compensatory Afforestation purpose, only 131.54 ha is suitable for taking up afforestation. Therefore, the required land for Compensatory Afforestation purpose i.e., 120.12 ha will be adjusted within the suitable 131.54 ha of Degraded Forest Land for afforestation.

There is no movement of Schedule-I animals in the proposed forest area (0.24 ha, of Sirsapalli RF) for diversion for Rehabilitation and up-gradation to two lane of NH 516E in Paderu division.

The proposal for diversion of forest area of 0.24 ha in Compt. No. 309. in Sirsapalli RF, G.Madugula Beat, G.Madugula Section of Paderu (T) Range in Paderu Division is recommended with the following conditions in the interest of Forests and Wildlife Conservation.

1. The user agency shall restrict the tree felling minimum number in the diverted forest land and the trees shall be felled under the strict supervision of local forest officer and large trees having wildlife importance shall not be disturbed.
2. The User agency shall raise strip plantation on both sides and central verge of the road as per the IRC norms.
3. Adequate number of ramblers / speed breakers and underground/ over passages shall be provided to facilitate movement of wildlife and to avoid accidents as recommended by CWLW/ NBWL/FAC/REC.
4. Display board at starting and ending point showing details of forest land involved in diversion and clearly mentioning the status of land as 'Forest land'.

5. Suitable protection structures shall be included in the proposed road is having steep gradient to avoid soil erosion.
6. All DGPS surveyed points shall be clearly demarcated on the field and proposed alignment shall be followed.
7. The User agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.
8. The layout plan of the proposal shall not be changed without prior approval of Central Government.
9. No labour camp shall be established on the forest land.
10. Sufficient fire wood, preferably the alternate fuel, shall be provided by the User agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.
11. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
12. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
13. The forest land shall not be used for any purpose other than that specified in the project proposal.
14. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.
15. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC guideline F.No.11-42/2017-FC, dt.29.01.2018.
16. Any other condition that the Ministry of Environment, Forests & Climate Change may stipulated from time to time in the interest of conservation, protection and development of forests & wildlife.
17. The compliance report shall be uploaded on *e-portal* (<https://parivesh.nic.in/>).

The required forest area is unavoidable for the project and due to this project there is no threat to the local flora, fauna and there is no archeological heritage importance in this locality.

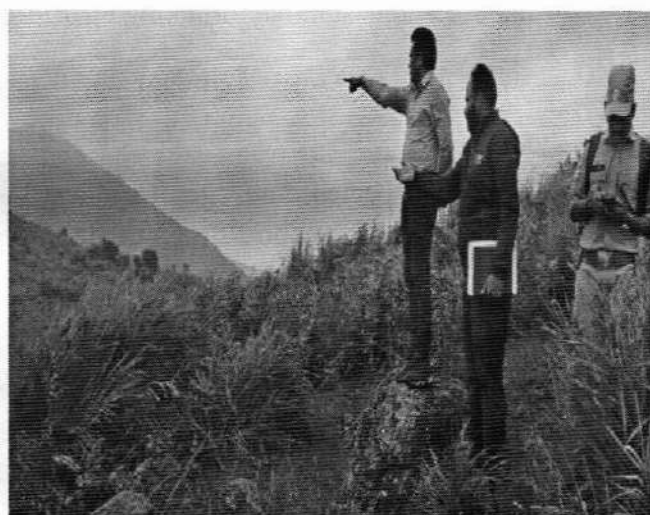
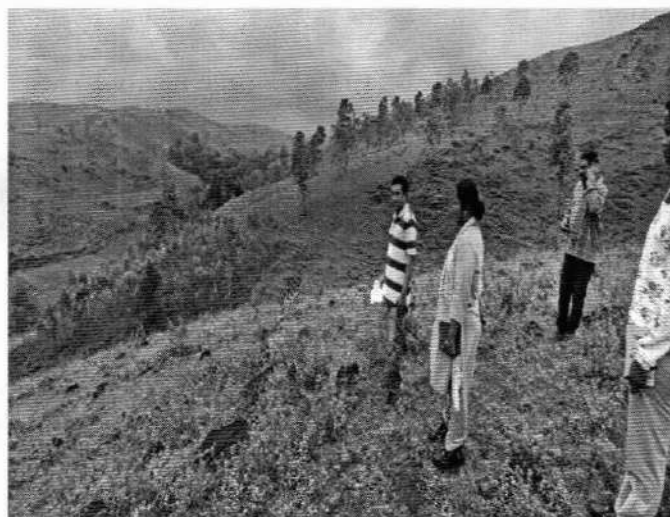

Divisional Forest Officer,
Paderu.

Field inspection notes of Divisional Forest Officer, Paderu for Degraded Forest land identified for Compensatory Afforestation purpose in Araku and Pedabayalu Ranges in lieu of diversion of 60.06 ha (i.e. 59.82 ha in Narsipatnam division + 0.24 ha in Paderu division) of forest land for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru – Chaparatipalem – Lambasingi -Paderu Section of NH-516E.

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The user agency has identified 147.26 ha towards Compensatory afforestation Degraded forest land in Araku and Pedabayalu Ranges, of Paderu division in lieu of diversion of **60.06 ha (i.e. 59.82 ha in Narsipatnam division + 0.24 ha in Paderu division)** forest land for Rehabilitation and up-gradation to two lane with paved shoulder configuration of Koyyuru – Chaparatipalem – Lambasingi -Paderu Section of NH-516E. The details of identified Degraded Forest land as CA land is shown below.

Sl. no.	Name of the Range	Name of the Section / Beat	Name of the Location	RF/Block	Compt. No.	GPS readings	Degraded Forest area in ha	Suitable area (ha)
1	Araku	Araku / Araku	Araku	Araku	122 & 123	18.32510 / 82.84089	26.55	26.55
2	Araku	Sunkarametta / Muliyalugalu	Pittamamidivalasa	Pedalabudu	10	18.31231 / 82.93546	49.28	49.28
3	Pedabayalu	Sujanakota / Machipuram	Pedatamangula	Machipuram	417	18.36478 / 82.44038	23.72	8.00
4	Pedabayalu	Rudakota / Rudakota	Kumada	Uppacheruvu	401	18.35559 / 82.42199	24.01	24.01
5	Pedabayalu	Pedabayalu / Ginnelakota	Pedavancharan gi	Uppacheruvu	407	18.22998 / 82.49178	23.70	23.70
						Total :	147.26	131.54



I have inspected the identified Degraded Forest Land for Compensatory Afforestation purpose with the Forest Range Officers and staff of Araku and Pedabayalu Ranges and offering following remarks on suitability for afforestation.

1. Degraded Forest Land of 26.55 ha in Compartment no. 122 & 123 of Araku Reserve Forest Block in Araku Range.

Inspected the site on 22.09.2022. The land is covered with weed growth and other medium to light jungle growth. There are no RoFR title deeds in the land. The land is suitable for taking afforestation.

2. Degraded Forest Land of 49.28 ha in Compartment no. 10 of Pedalabudu Reserve Forest Block in Araku Range.

Inspected the site on 20.09.2022. The land is covered with light to medium jungle growth, mostly of Lantana and Eupatorium weed growth. There are no RoFR title deeds in the selected site. The soil quality is good. The slope is also gentle. The land is suitable for taking up afforestation.

3. Degraded Forest Land of 23.72 ha in Compartment no. 417 of Machipuram Reserve Forest Block in Pedabayalu Range.

Inspected site on 18.10.2022. The land covers the side slope of hill and hill top portion. The site slope portion of hill is 8.00 ha area covered with light to medium jungle growth and is suitable for afforestation. Whereas the hill top portion is barren and rocky (Bauxite). The extent of this part is 15.72 ha and located at an altitude of above 1000 m which is not at all suitable for taking up afforestation. Therefore only 8.00 ha of land is taken into consideration for suitability to take up afforestation in this parcel of land.

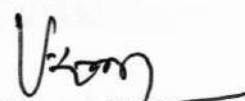
4. Degraded Forest Land of 24.01 ha in Compartment no. 401 of Uppacheruvu Reserve Forest Block in Pedabayalu Range.

Inspected the Degraded Forest Land on 18.10.2022. The land is covered with light to medium jungle growth mostly lantana and other weeds. There are no RoFR title deeds in the land. Land is suitable for taking up afforestation.

5. Degraded Forest Land of 23.70 ha in Compartment no. 407 of Uppacheruvu Reserve Forest Block in Pedabayalu Range.

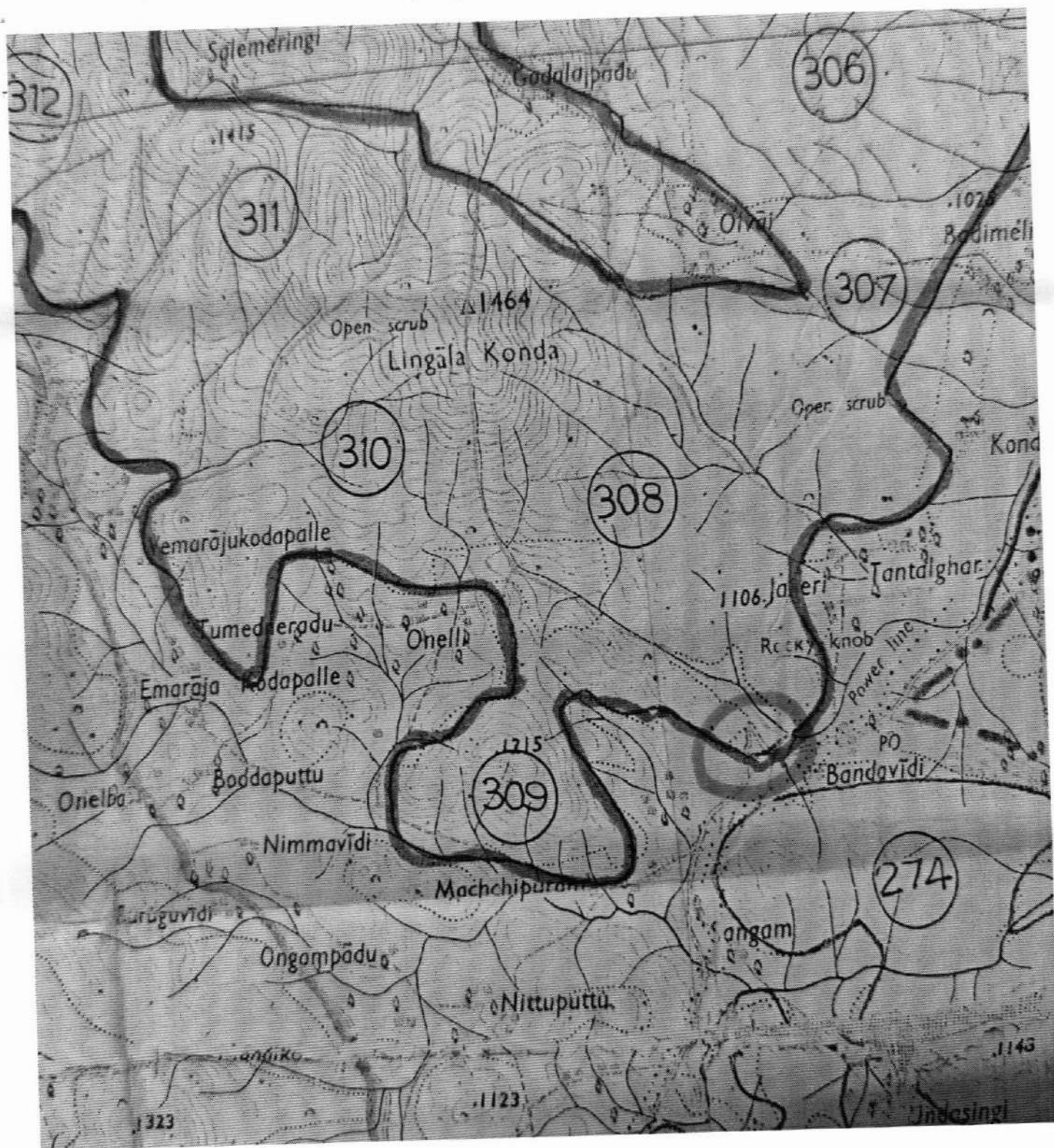
Inspected the Degraded Forest Land on 21.09.2022. The land is covered with light weed growth. There are no RoFR title deeds in the land. The villagers also showed interest to take up afforestation. The land is suitable for afforestation.

Further, out of the 147.26 ha of Degraded Forest Land (DFL) which was identified for Compensatory Afforestation purpose, only 131.54 ha is suitable for taking up afforestation. Therefore, the required land for Compensatory Afforestation purpose i.e., 120.12 ha will be adjusted within the suitable 131.54 ha of Degraded Forest Land for afforestation.


Divisional Forest Officer,
Paderu.

SIRASAPALLI FOREST BLOCK

AREA IN ha. 9398.41 ha
(Compt. no. 297 to 333)



[Signature]
Divisional Forest Officer
PADERU

Site Inspection Report of the Chief Conservator of Forests, Visakhapatnam of the proposal for diversion of 60.06 ha of Forest land (59.82 ha falls in Narsipatnam Division and 0.24 ha falls in Paderu Division) for Rehabilitation and Up-gradation to two lane with paved shoulder configuration of Koyyuru-Chaparathipalem-Lammasingi-Paderu section of NH-516 E on 20.08.2022



Inspected the proposed area for diversion of **60.06 ha** of Forest land (59.82 ha falls in Narsipatnam Division and 0.24 ha falls in Paderu Division) for Rehabilitation and Up-gradation to two lane with paved shoulder configuration of Koyyuru-

Chaparathipalem-Lammasing –Paderu section of NH-516 E including construction of culverts in Narsipatnam and Paderu divisions passing through Bointhi, Sarugudu-IV, Chintapalli, Lammasingi-I, Wangasara RFs and Krishnapuram RL of K.D.Peta and Chintapalli Ranges in Narsipatnam division on 20.08.2022 along with the Divisional Forest Officer, Narsipatnam and his staff and the Project Director, PIU NH 516E, Visakhapatnam and other officials of the User agency.



As per the Part-I proposals submitted by the User agency and the Part-II details submitted by the Divisional Forest Officer, Narsipatnam and Paderu, the total length of the proposed road is 133.974 km, the length of the road passing in Reserve Forests is 34.66 km (Narsipatnam-34.56 km & Paderu-0.10 km). The actual width required for the proposed NH road is 20 m including the width of the existing BT road in forest stretches S-1, S-2, S-3, S-7 & S-8 i.e., 3.66 m (Single lane type) and whereas in S-4, S-5, S-6 & S-9, it is 7.00 m (Double lane type). Depending upon the type of existing road, the user agency has proposed an additional width (including paved shoulder of width 1.50 m and earthen shoulder of width 2.00 m on either side of the road). Bit-wise area details as per the authenticated DGPS data are as follows:

Sl. No.	Range	Beat	Name of RF	Compt. No.	Bit no.	Area (ha)	Length (m)	Avg. width (m)
1	K.D.Peta	Bangarampeta	Bointhe	1355	1	6.58	3291.26	20.00
2	K.D.Peta	Balaram	Sarugudu-VI	1267				
3	K.D.Peta	Bangarampeta	Bointhe	1347	2	23.58	11812.68	19.96
4	Chintapalli	Sarabhannapalem		1345				
5	Chintapalli	Sarabhannapalem	Bointhe	1365, 1366	3	4.02	1986.16	20.25
6	Chintapalli	Chintapalli South	Bointhe	1378	4	1.51	2118.34	20.77
7	Chintapalli	Chintapalli North	Chintapalli	1590	5	6.30	8722.46	21.37
8		Lammasingi North	Lammasingi-I	1586, 1587				
9		Wangasara	Wangasara	1604				
10	Chintapalli	Lammasingi North	Lammasingi-I	1587	6	1.08	1404.03	7.72
11	Chintapalli	Krishnapuram	Krishnapuram	995	7	9.90	2906.55	34.05
12		Tajangi	RL	996				
13	Chintapalli	Krishnapuram	Krishnapuram RL	993	8	6.85	2317.98	29.55
14	Paderu	G Madugula	Sirasapalli	309	9	0.24	100.00	24.00
Total:						60.06	34659.46	

- As per the User agency information, there are 62 culverts and 1 minor bridge (existing structures) in the proposed road (i.e., from km 120+000 to km 253+974).

As per the report of the Divisional Forest Officer, Narsipatnam:

- Out of 59.82 ha of area proposed for NH road diversion, an area of 2.27 ha (Bit no.4-0.45 ha and Bit no.5-1.82 ha) is passing through 12 coffee plantations raised by the AP Forest Development Corporation Limited (leased forest areas) in Chintapalli Range.
- There are 7,340 no. of Trees (324 no. of Teak and 7,016 no. of Non-Teak/Misc.) falling within the proposed width of the road as reported by the Forest Range Officers, K.D.Peta and Chintapalli.
- Out of total 7,340 no. of Trees, 303 no. of forest tree species (28 no. of Teak and 275 no. of Non-Teak/Misc.) are existing in 11 coffee plantations to an extent of 2.27 ha.
- As per the information from the Divisional Manager, APFDC Ltd., Chintapalli, the details of Plants/Climbers falling in the proposed width (7 m) of the road are as follows:

Sl. no.	Species	Nos
1	Coffee (<i>Coffea arabica</i>)	1254
2	Jafrā (<i>Bixa orellana</i>)	116
3	Pepper (<i>Piper nigrum</i>)	69
	Total:	1439

- Classification of Forests is Eco-class –I and the type of forest is Southern Secondary Moist Mixed Deciduous Forests.
- The density of the forest in the nearby vicinity of the proposed road is between 0.4 to 0.7.
- The District Collector, Visakhapatnam has furnished Form-I (Annexure-I) certificate regarding the completion of process for identification and settlement of Forest Rights under FRA for this improvement of road proposal and also stated that this proposal does not involve Recognized Rights of Primitive Tribal Groups and Pre Agricultural Communities.

As per the report of the Divisional Forest Officer, Paderu:

- An area of 0.24 ha is proposed for NH road diversion in Compt.no.309 of Sirasapalli RF in Paderu Range.
- There are 17 no. of miscellaneous trees are falling within the proposed width of the road.
- The density of the forest in the nearby vicinity of the proposed road is about 0.5.

The Degraded forest land was identified for Compensatory Afforestation in an extent of 147.26 ha in Paderu Division and the CA scheme proposals were prepared for an extent of 120.123 ha by the Divisional Forest Officer, Paderu and the CA scheme is approved for an amount of Rs.758.70 lakh for 10 years.

During the joint inspection, inspected some cane bamboo (*Arundinaria*), *Calamus latifolius* (cane) patches existing in K.D.Peta Range and thick natural vegetation at K.D.Peta and Rompula area limits in Narsipatnam division. There are many important species like Yegisa (*Pterocarpus marsupium*), Bandaru (*Adina cordifolia*), Maddi (*Terminalia elliptica*), Tamarind(*Tamarindus indica*), Hill mango(*Mangifera indica*) including many vines of Adda aku (*Bauhinia vahlii*) existing all along the proposed road. Preservation of these species is very essential as they are important in Timber/minor forest produce.

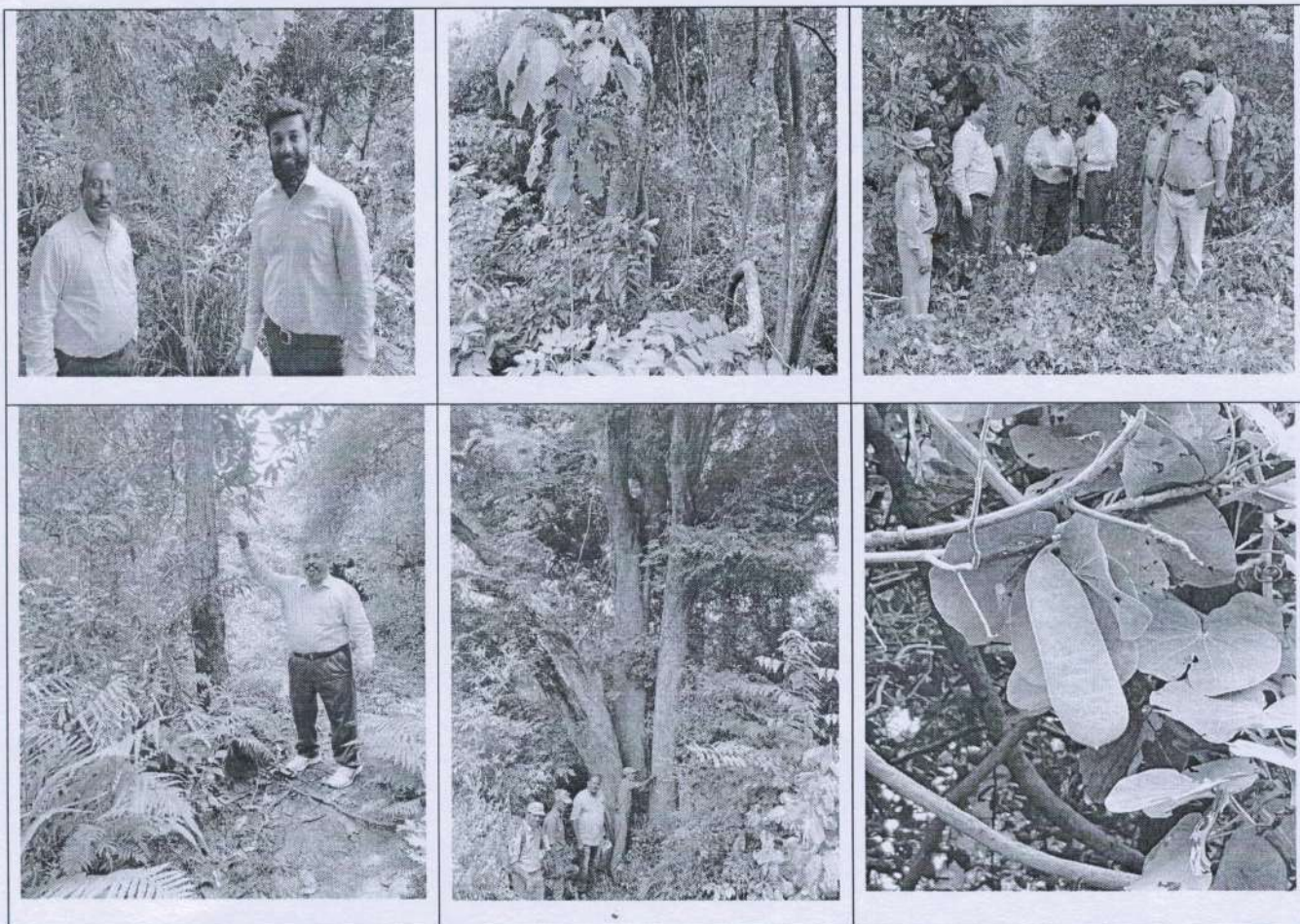
In the inspected area, the User agency did not carry out any work in violation of the provisions of Forest (Conservation) Act, 1980 and other relevant acts. The required forest area is unavoidable and no endangered and unique species of Flora and Fauna are found in the proposed area and there is no protected / archeological heritage importance in this locality.

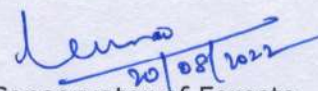
As per the Part-I proposals submitted by the User agency, the proposed project road (Koyyuru- Paderu) connects Koyyuru, Krishnadevipeta, Chintapalli, Lammasingi, Paderu spanning through erstwhile Visakhapatnam district, which forms an important artery for movement of main goods between Andhra Pradesh and Odisha.

The User agency shall restrict the tree felling to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of local forest officers and large trees having wildlife importance shall not be disturbed. Adequate number of ramblers/speed breakers and underground/ over passages shall be provided to facilitate movement of wildlife and to avoid accidents as recommended by CWLW/NBWL/FAC/REC. As per past experience, there is movement of wild animals like Panthers, Bisons, Sloth bears, Deers, Wild boars etc in the forest areas through which proposed road passes and as such a detailed wildlife management plan with mitigation measures on impact on wildlife and conservation concerns associated with road development proposals shall be made and financial provisions shall be included in the scheme. While executing the road work, provision shall be made for formation of Avenue plantations duly by planting native species like Tamarind, Hill Mango, Jack, Jamun, Ficus species and such other fruit bearing and shade giving plants.

Basing on the site inspection reports of the Divisional Forest Officers, Narsipatnam and Paderu and as per the importance of the project, the proposed road is recommended as per the rules and regulations of Forest (Conservation) Act, 1980 and other acts thereon in the interest of Forests and Wildlife Conservation.

6382895/2022/FCA -PCCF

Photographs of Site inspection


Chief Conservator of Forests,
Visakhapatnam.