



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**



From,  
Sri. G. Kista Goud, I.F.S.,  
District Forest Officer,  
Mulugu District

To,  
The Chief Conservator of Forests,  
Kaleshwaram Circle,  
Jayashankar Bhupalpally (HQ).

**Rc.No.453/2021/TO, Date.05.01.2023**

\*\*\*

Sir,

**Sub:** TSFD – Forest (Conservation) Act – **Diversion of 4.939 Ha (Revised to 3.143 Ha) of forest land for laying of BT from Edhira to Kothapally Road from km 0/0 to 6/5** in Venkatapuram Division of Mulugu District for Road Network in LWE affected areas for improvements of road – Submission of proposals under F (C) Act, 1980 – **Replies on EDS** – Submitted - Regarding.

**Ref:**

1. PCCF T.S. Hyd., Rc. No. 16704/2019/FCA-2 Dt: 16.11.2019.
2. FDO Venkatapuram Rc. No. 171/2020/V3 Dt: 05.11.2020 (Received in this office on 27.07.2021)
3. DFO Mulugu District Rc. No. 453/2021/TO Dt: 08.08.2021.
4. FDO Venkatapuram Rc. No. 171/2020/V3 Dt: 10.11.2021.
5. DFO Mulugu District Rc. No. 453/2021/TO Dt: 07.12.2021.
6. MoEF, F.No.4-TSB269/2022-HYD/782, Dt.04.12.2022 (EDS)

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Kind attention is invited to the It is submitted that, the Assistant Inspector General of Forest (Central), IRO, TS, Hyderabad vide reference 6<sup>th</sup> cited above has directed to submit the following additional documents / Clarifications etc., at the earliest for taking consideration of the proposals under FCA 1980.

Therefore, I am submitting herewith additional documents / Clarifications etc., on EDS raised by the IRO, Hyderabad for consideration of the proposals under FCA 1980. The details are as follows.

Sl. No	Essential Details Sought (EDS) points	Replies on EDS
1	Design/cross section of the proposed road clearly indicating the width of carriage way (BT Portion_) shoulder /Berm /drainage etc., may be furnished	Cross Section of the above proposed road is enclosed herewith.
2	As per rule 6 (3) (c) of Forest Conservation Act, Rules, 2003 (Amended up to August 2017), the documents and part II are to be signed by the DFO concerned. In the instant proposal, it is noticed that Site inspection Report and Part II were signed by FDO. Part-II and Site inspection report duly filled by the DFO/DCF of the conceded Forest Divisions/District shall be submitted.	Revised Part-II proposal and Filed inspection report is enclosed herewith.
3	As per the DSS report, Violating Protected Area Rule and Polygon touches Pamed Wild Buffalo WLS (Proposed area may be falling in the ESZ). Comments on requirement of NBWL approval under W(P)A, 1972 may be examined and details furnished.	As verified from ESZ map of the Pamed Wild Buffalo WLS, no ESZ proposed in Telangana Forest area. The map is enclosed herewith.



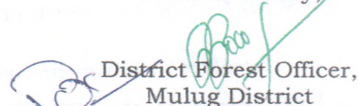
Receipt No : 1889273/2023/ADMIN SECTION-PCCF

Sl. No	Essential Details Sought (EDS) points	Replies on EDS
4	As per the KML file viewed on Google earth, some portion of road is falling in Chhattisgarh state. The UA is also mentioned in Part-I about this fact. IRO, Hyderabad has no jurisdiction over forest areas falling in Chhattisgarh state. Hence, the State Government shall look in to the matter and cross verify the boundary and restrict the proposal within the boundary of Telangana State.	As per the KML file viewed on Google earth, the proposed road falls in Venkatapuram Forest Division only.  The proposed road started in Forest area - 18.153960°, 80.726439° and ending with - 18.167917°, 80.755495° (in Compt.No.78, 79, Suraveedu (S) & Edira Colony Beats of Venkatapuram Range.  The road ends 50 meters before the Venkatapuram Forest Boundary.
5	As per topo map, identified non-Forest area for CA is overlapping with Jally III RF. State government may clarify.	3.143 Ha CA land identified in Sy.No.154/1 & 154/2, Gundenga village, Guduru mandal, Mahabubabad District. Report to be submitted by the District Forest Officer, Mahabubabad District
6	The CA scheme for the degraded forest land to an extent of 10.00 Ha in Compt.No.747 of Pakhal RF block of Kothaguda Range of Gudur WLM Division for four projects has been submitted. However, the CA area has not been apportioned as per the projects. Hence, revised CA scheme along with details of DFL area project wise with the revised map/Kml with DGPS coordinated as per the prescribed norms may be submitted.	3.143 Ha CA land identified in Sy.No.154/1 & 154/2, Gundenga village, Guduru mandal, Mahabubabad District. Report to be submitted by the District Forest Officer, Mahabubabad District.  Details and remarks to be submitted by the DFO, Mahabubabad and UA
7	The DFO shall ensure that no work in violation of FCA, 1980 shall take place in the forest area prior to approval under FCA, 1980.	No violation / Work not started

This is submitted for favour of kind information and necessary action.

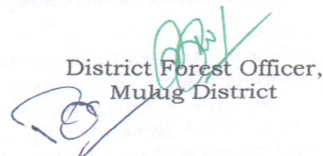
Encl: As above

Yours faithfully,

  
District Forest Officer,  
Mulug District

Copy submitted to the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad, for favour of kind information.

Copy to the Forest Divisional Officer, Venkatapuram Division for information.

  
District Forest Officer,  
Mulug District



**PART - II**  
**(To be filled by the concerned Deputy Conservator of Forests)**  
**(state serial No. of Proposal-----)**

**State Serial No. of proposal**

7.	Location of the Project / Scheme		Laying of BT road from Edira to Kothapally from KM0/0 to 6/5 in Venkatapuram Division of Mulugu Dist.						
i.	State/Union Territory		: Telangana						
ii.	District		: Mulugu						
iii.	Forest Division		: Venkatapuram						
iv.	Area of forest land proposed for diversion (in Ha)		:						
	<b>Sl. No</b>	<b>Range</b>	<b>Beat</b>	<b>Compt. No</b>	<b>Name of RF</b>	<b>Length (Mts)</b>	<b>Width (Mts)</b>	<b>Area in Ha</b>	
	1	Venkatapuram	Edhira Colony	78/2	Charla	3895.14	7.00	2.7265	
	2		Suraveedu (S)	79 (B)	Charla	594.71	7.00	0.4162	
	<b>Total:</b>					<b>4489.85</b>		<b>3.1427</b>	
V)	Legal status of forest		: The area of 3.1427 Ha proposed for Diversion of Forest Land is falling in Charla RF Block notified u/s 15 of APF Act 1967 of Venkatapuram Division.						
Vi	Density of vegetation.		: The density of the proposed area for diversion of Forest Land is less than 0-10						
Vii	Species wise (scientific names) and diameter class wise enumeration of trees (to be enclosed) in case of irrigation/Hydel projects enumeration of FRL,FRL-2 m and FRL4 m also to be enclosed)		: List Enclosed. (Total 714 Nos trees)						
Viii	Brief note on vulnerability of the forest area to erosion.		: The area is not vulnerable to soil erosion						
Ix	Approximate distance of proposed site for diversion from boundary of forest.		: Approximate distance of proposed site is 0 mtr from RF boundary						
X	Whether forms part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant corridor, etc.(if so,the details of the area and comments of the chief wildlife warden to be annexed)		: No it does not form any part of National park, wildlife sanctuary Biosphere reserve Tiger reserved Elephant corridors etc.						
Xi	Whether any rare/ endangered / Unique species of flora and fauna found in the area - if so details thereof.		: No, there is no rare / endangered / Unique species of flora and fauna in the area.						
Xii	Whether any protected archaeological/heritage site/ defense establishment or any other important monument is located in the area. If so the details there of authority, it required.		: No, protected archaeological/heritage site/ defense establishment or any other important monument is located in the area.						



8	Whether the requirement of forest land as proposed by the user agency in Column 2 of Part-I is unavoidable and barest minimum for the project. It so the details there of with NOC from competent authority, if required.	:	Requirement of forest land of 3.143 Ha by user agency is unavoidable and barest minimum.
9	Whether any work in violation of the Act has been carried out (Yes / No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress.	:	No
10	Details of compensatory afforestation scheme:-	:	3.143 Ha Non-Forest CA Land is identified in Sy.No.154/1 & 154/2, Gundenga village,Guduru mandal, Mahabubabad District
i)	Details of non-forest area / degraded forest area identified for compensatory afforestation, its distance from adjoining forest number of patches, size of each pitch.	:	3.143 Ha Non-Forest CA Land is identified in Sy.No.154/1 & 154/2, Gundenga village,Guduru mandal, Mahabubabad District
ii)	Map showing non - forest / degraded forest area identified for compensatory afforestation and adjoining forest boundaries.	:	-----do-----
iii)	Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.	:	-----do-----
iv)	Total financial outlay for compensatory afforestation scheme.	:	-----do-----
v)	Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view (to be signed by the concerned Deputy Conservator of Forests).	:	-----do-----
11	Site inspection report of the DCF (to be enclosed) especially highlighting facts asked In Columns 7 (xi, xii), 8 and 9 above.	:	-----do-----
12	Division/District profile		
	i) Geographical area of the District		1,04,307.50 Ha
	ii) Forest area of the District		87,714.920 Ha
	iii) Total Forest area diverted since 1980 with number of cases		782.8039 Ha
	iv) Total compensatory afforestation stipulated in the district/Division since 1980 on		8



	Forest land including penal compensatory afforestation	----Nil-----
	Non forest land	----Nil-----
	v)Progress of the compensatory afforestation as on 01.11.2020	
	Forest land	165 Ha
	Non forest land	268 Ha
13	Specific recommendation of the DCF for acceptance of other wise of the proposal with reasons	<p>The Forest area to be diverted is barest minimum and unavoidable. Hence, it is Recommended with following conditions.</p> <ol style="list-style-type: none"> <li>1. Local Tribe should be involved for creation of employment generation.</li> <li>2. They should not disturb / damage flora and fauna during the execution of the project. They should try to avoid tree damage during execution of growth.</li> <li>3. The work should only be carried out from 6.00 AM to 6.00 PM.</li> <li>4. The user agency should avoid maximum tree felling.</li> <li>5. Erection of publicity sign boards (5) no's with the size (8"x12") should be taken up across the Division at designated place demarcated by Forest Department form an amount of Rs.7.50 Lakhs @ Rs.1.50 Lakhs each.</li> <li>6. (2) Nos solar powered bore wells with percolation tank should be developed by user agency for the protection of flora and fauna in the Division for an amount of Rs.12.00 Lakhs @ Rs.6.00 Lakhs each.</li> </ol>

Date:

Place:

  
**District Forest Officer**  
 Mulugu District.



**FILED INSPECTION NOTES OF SRI. G. KISTA GOUD, I.F.S., DISTRICT FOREST OFFICER, MULUGU DISTRICT ON DT.29.12.2022.**

The Ministry of Environment, Forest & Climate Change, Hyderabad vide F.No.4-TSB269/2022-HYD/782, Dt.04.11.2022 has instructed to inspect the proposed Diversion of 3.143 ha of forest land in Venkatapur division for Laying of BT road from Ediara to Kothapally from km 0/0 to 6/5 in Mulugu District in favour of R&B, Department and submit the proposals with specific recommendations and findings in Part – II & Part – III of the proposals the document and part II are to be signed by the DFO concerned through the Chief Conservator of Forests, Kaleswaram Circle, Jayashankar Bhupalpally (HQ) at the earliest.

Accordingly, I am personally inspected the Diversion of 3.143 ha of forest land in Venkatapur division for Laying of BT road from Ediara to Kothapally from km 0/0 to 6/5 in Mulugu District in favour of R&B, Department along with Forest Divisional Officer, Venkatapuram, Forest Range Officer, Venkatapuram and concerned FSO & FBO. The above proposed road falling in Forest area wise details are as detailed below.

Sl. No	Range	Beat	Compt. No	Name of RF	Length (Mts)	Width (Mts)	Area in Ha
1	Venkatapuram	Edhira Colony	78/2	Charla	3895.14	7.00	2.7265
2		Suraveedu (S)	79 (B)	Charla	594.71	7.00	0.4162
Total:					4489.85		3.1427

I have verified the above said areas on 29.12.2022 and found that the earlier proposed diversion area in part-II submitted by the Forest Divisional Officer, Venkatapuram is justified.

The area in question is not falling in any National Park, Bio – Sphere Reserve, Tiger Reserve or Elephant corridor. There is no protected, archeological / heritage site / defense establishment or any other important monuments is located in the area.

Flora noticed are Teak (*Tectona Grandis*), Pala (*Writia tinctoria*) Nallamaddi (*Terminalia alata*), Ippa (*Madhuca latifolia*) Chilukaduddi (*Polyalthia cerasoides*), Pusugu (*Schleichera oleosa*) etc.,



The project is recommended subject to implementing the following mitigation measures.

1. Local Tribe should be involved for creation of employment generation.
2. They should not disturb / damage flora and fauna during the execution of the project. They should try to avoid tree damage during execution of growth.
3. The work should only be carried out from 6.00 AM to 6.00 PM.
4. The user agency should avoid maximum tree felling.
5. Erection of publicity sign boards (5) no's with the size (8"x12") should be taken up across the Division at designated place demarcated by Forest Department form an amount of Rs.7.50 Lakhs @ Rs.1.50 Lakhs each.
6. (2) Nos solar powered bore wells with percolation tank should be developed by user agency for the protection of flora and fauna in the Division for an amount of Rs.12.00 Lakhs @ Rs.6.00 Lakhs each.

District Forest Officer,  
Mulug District

Sl. No.	Name of the Project	Length (Mts)	Width (Mts)	Area in Ha
1.	Chaitanya	3895.13	7.00	2.7265
2.	Chaitanya	504.71	7.00	0.3532
	Total	4400.84		3.0797



**Government of Telangana  
Roads & Buildings Department**

**From**

Sri A. Kishan Rao, M.Tech  
Executive Engineer (R&B),  
Mulugu Division,

**To**

The District Forest Officer,  
Mulugu District,

**Lr No. EE/R&B/Mlg/ Frst-Edhira/2019-20 Date: 20.09.2023**

Sir,

**Sub:** LWE works – Diversion of 4.939 Ha( Reduced to 3.14 Ha) in Venkatapuram division for laying of BT road from Edhira to Kothapally from km 0/0 to 6/5 in Mulugu district in favour of executive Engineer, R & B department - Submission of additional information.- Regd.

**Ref:** 1.PCCF, Telangana, Hyd, Rc No: 16704/202119-FCA-2, Dt 16.11.2022  
2 GOI, MoEF&CC, IRO, Hyd F No: 4-TSB269/2022-Hyd/782, Dt 04.11.2022.  
3. EE/R&B/Mlg's Lr No. DEE/R&B/Mlg/ Frst-Edhira/2019-20 Date: 11.07.2023  
4 PCCF, Hyd's Ref No; FC2/FC09/16/2023(i) Dt 23.08.2023.

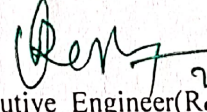
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With reference to the subject cited, above, I here with submit that, The Govt of Telangana has sanctioned the work of "Construction of BT road from Edhira to Kothapally from km 0/0 to 6/5 in Mulugu district", with central aid as per instructions of Ministry of Home Affairs, GoI, New Delhi, for minimizing the left wing extremism movement & attraction in Mulugu dist. The work has been sanctioned under LWE Ph I and diversion proposals were submitted in 2019. The reply to EDS of IRO also submitted to DFO, Mulugu on 30.6.2023

During the review meeting of the Principal Chief Conservator of Forest, Hyd at Aranya Bhavan on 05.07.2023, is instructed to allot clear revenue land towards CA allotment. The Revenue land is identified in Rangapuram(V) of Allapally(M) of Kothagudem dist, and DGPS survey completed. Vide ref (4) above, The Principal Chief Conservator of Forest, Hyderabad has authenticated the DGPS map of CA land in Kothagudem for 3.143 Ha.

Hence, I am requesting, The District Forest Officer, Mulugu, to process, the road diversion proposal at early, to minimize delay in development of rural infrastructure.

Yours faithfully,

  
for Executive Engineer(R&B)  
Division Mulugu, 20/9/23

**Copy submitted to,**

1. The Chief Engineer (R&B), LWE for favour of information.
2. The Principal Chief Conservator of Forest, Hyd, for favour of information.



385  
15/07/23

**GOVERNMENT OF TELANGANA  
ROADS AND BUILDINGS DEPARTMENT**

From,  
Sri N.Venkatesh, M.Tech  
District (R&B) Officer,  
(Executive Engineer)  
JS Bhupalapally, Mulugu

To  
The Principal Chief Conservator of Forests  
& Head of Forest Force, Telangana State  
Aranyabhavan, Hyderabad

**Letter No. DB/AEE/EE/R&B/Mlg /E-K road/ 2023-24/ 414 Dated:13-07-2023**

Sir,

Sub:-Dist. R&B Office Mulugu- Diversion of 3.143 Ha of forest land for construction of B.T. road from Edhira to Kothapally from Km 0/0 to 6/5 in Venkatapuram Division of Mulugu district in favour of District R&B Officer, Mulugu District -Additional documents/Clarification called for- submission of Clarifications-reg.

- Ref :-1. PCCF, Telangana, Hyderabad, RC No. 16704/202119-FCA-2, Dt 16-11-2022  
2. Gol, MoEF&CC, IRO, Hyd., F.No. 4-TSB269/2022-HYD/782, dt:04-11-2022  
3. DEE, R&B, Mulugu, Lr. No. DEE/R&B/Mlg/Vedira/2021, Dt. 10-01-2023  
4. PCCF, Telangana, Hyderabad, RC No. 16704/202119-FCA-2, Dt 06-03-2023  
5. T.O. Lr. Nos DB/ATO/EE/R&B/Mlg/E-K road/2023, Dt. 18-01-2023 and 11-04-2023  
6. T.O. Lr. No. DB/AEE/EE/R&B/Mlg /E-K road/ 2023-24/ Dated:30-06-2023  
7. Directions of PCCF, FCA during the coordination meeting held in Araya Bhavan on 05-07-2023
- \* \* \*

With reference to the subject cited I submit that in the meeting held on 5-7-2023 at Aranya Bhavan, Hyderabad the PCCF, FCA Telangana has discussed about the subject proposal and directed to submit the report for choosing the proposed alignment instead of shortest path that found on northside of present proposal in Google Images.

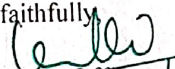
In this regard I submit that the road was inspected and found that the proposed alignment is only suitable due to following reasons.

1. The shortest path is rocky and no proper cart track.
2. Streams flows on this path at many places for a length of 100 meters to 200 meters and also needs construction of two bridges.
3. Further this path passes through the valley between hills for a length of about 1.0 Kms which is not suitable for road formation and it may be washedout due to flow of water through the valley during rains.
4. The Public are using the proposed alignment only as it is a proper cart track and due to above drawbacks in other alignment even though it is of shorter length

The map showing the propsed alignment and the shorter length path on north side is herewith submitted for perusal.

In view of the above reasons, I request the Principal Chief Conservator of Forests, Telangana State to kindly allow the proposed aluignment only as the alternate path is not suitable for road formation.

Yours faithfully,

  
District R&B Officer  
(Executive Engineer)

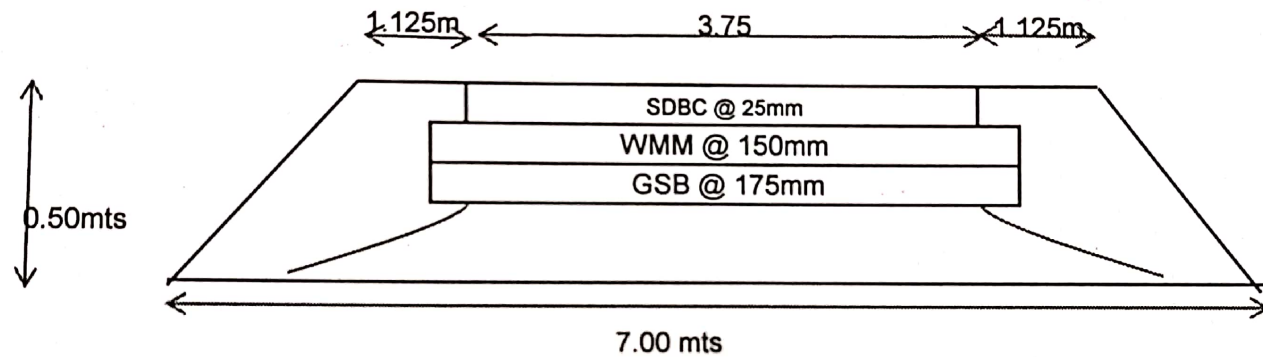
Mulugu

Encl:- Map showing the proposed and other alignment

1. Copy Submitted to The Chief Engineer (R&B), D&P, LWE&RSW, Hyderabad for favour of information
2. Copy to the District Forest Officer, Mulugu with a request to process the proposal
3. Copy to Dy. Executive Engineer, R&B, Sub-Division, Mulugu for information and to take necessary action.



Name of Work: **Construction of BT Road from Edhira to kothapally from Km 0/0 to 6/5 in Mulugu District**



**Typical Cross Section in Forest area.**

  
**Dy. Executive Engineer**  
**R&B Sub-Division: Mulugu.**



**GOVERNMENT OF TELANGANA  
ROADS AND BUILDINGS DEPARTMENT**

From,  
Sri N.Venkatesh, M.Tech  
District (R&B) Officer,  
(Executive Engineer)  
JS Bhupalapally, Mulugu

To  
The District Forest Officer  
Mulugu District

Letter No. DB/ATO/EE/R&B/Mlg /E-K road/ 2022-23/

Dated:18-01-2023

Sir,

Sub:-Dist. R&B Office Mulugu- Diversion of 3.143 Ha of forest land for construction of B.T. road from Edhira to Kothapally from Km 0/0 to 6/5 in Venkatapuram Division of Mulugu district in favour of District R&B Officer, Mulugu District –Additional documents/Clarification called for- submission of Clarifications-reg.

Ref : -1. PCCF, Telangana, Hyderabad, RC No. 16704/202119-FCA-2, Dt 16-11-2022

2. Gol, MoEF&CC, IRO, Hyd., F.No. 4-TSB269/2022-HYD/782, dt:04-11-2022

3. DEE, R&B, Mulugu, Lr. No. DEE/R&B/Mlg/Vedira/2021, Dt. 10-01-2023

\* \* \*

With reference to the subject cited it is to inform that vide ref. 1<sup>st</sup> cited the PCCF , Telangana has communicated the ref. 2<sup>nd</sup> cited in which Additional documents/Clarifications called for by the IRO Hyderabad. Accordingly I submit herewith the replies point-wise as under.

1. Design / Cross-Section of the road is herewith furnished. The width of the road proposed is barest minimum and further reduction is not possible.
2. To be attended by the Forest department.
3. The road is not falling in the WLS and even if it falls in ESZ, NBWL approval not required as it is a road project which has the exemption.
4. This road is connecting the both the states of Telangana and Chhattisgarh hence some portion of road as per KML file may fall in Chhattisgarh state, but the portion of the road in Telangana state only proposed for diversion for a length of 4489.50mts.

Therefore I request the District Forest Officer, Mulugu to further process the above diversion proposal.

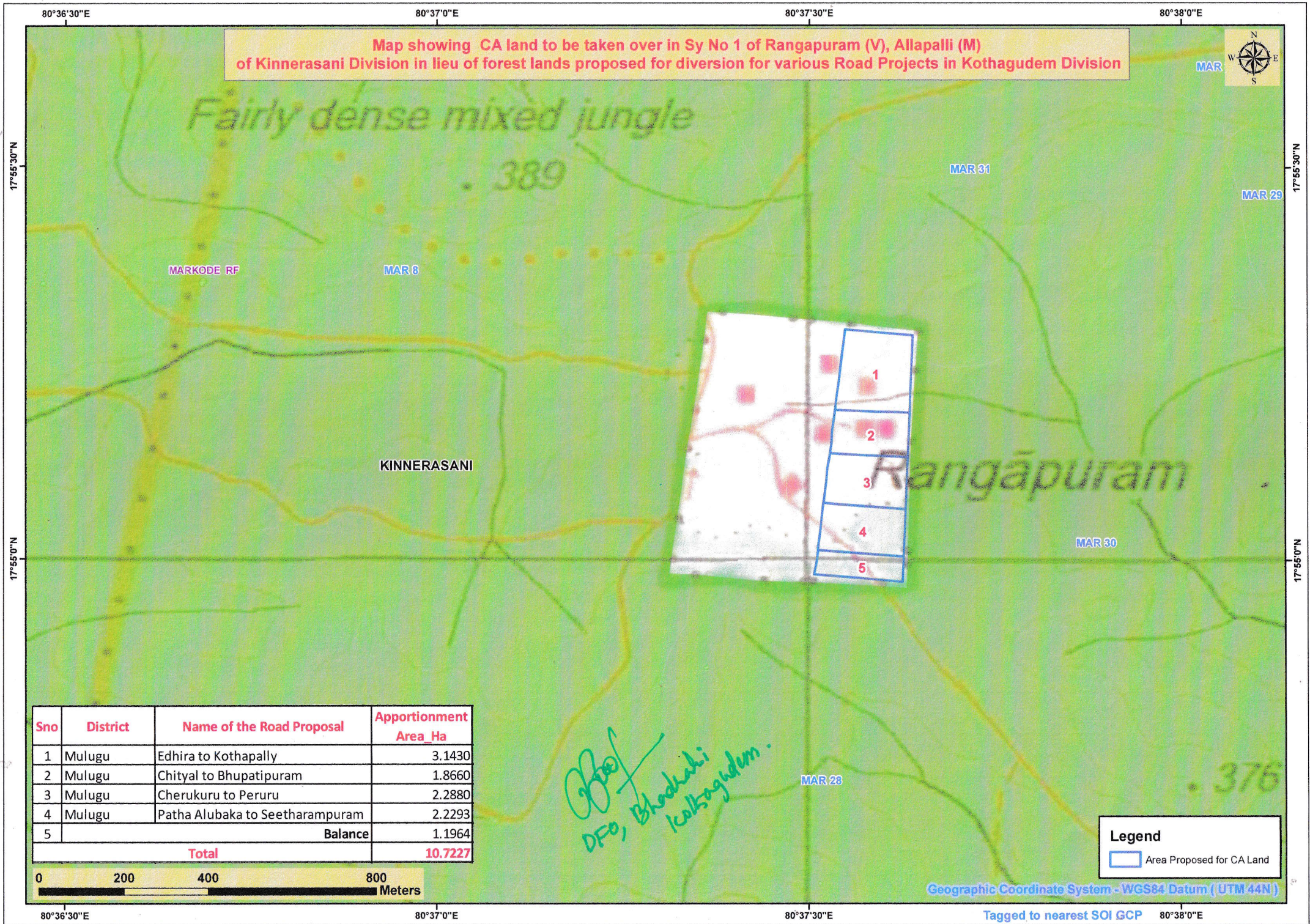
*The existing road is proposed by MHA in new layout*

Yours faithfully,

*[Signature]*  
District R&B Officer,  
(Executive Engineer)  
JS Bhupalapally, Mulugu

*[Signature]*  
Encl:- Cross-Section of road







**GOVERNMENT OF TELANGANA  
ROADS AND BUILDINGS DEPARTMENT**

From,  
Sri N.Venkatesh, M.Tech  
District (R&B) Officer,  
(Executive Engineer)  
JS Bhupalapally, Mulugu

To ✓  
The District Forest Officer  
Mulugu District

**Letter No. DB/ATO/EE/R&B/Mlg /E-K road/ 2022-23/ 37 Dated:18-01-2023**

Sir,

Sub:-Dist. R&B Office Mulugu- Diversion of 3.143 Ha of forest land for construction of B.T. road from Edhira to Kothapally from Km 0/0 to 6/5 in Venkatapuram Division of Mulugu district in favour of District R&B Officer, Mulugu District –Additional documents/Clarification called for- submission of Clarifications-reg.

Ref : -1. PCCF, Telangana, Hyderabad, RC No. 16704/202119-FCA-2, Dt 16-11-2022  
2. Gol, MoEF&CC, IRO, Hyd., F.No. 4-TSB269/2022-HYD/782, dt:04-11-2022  
3. DEE, R&B, Mulugu, Lr. No. DEE/R&B/Mlg/Vedira/2021, Dt. 10-01-2023

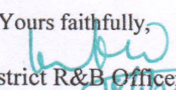
\* \* \*

With reference to the subject cited it is to inform that vide ref. 1<sup>st</sup> cited the PCCF , Telangana has communicated the ref. 2<sup>nd</sup> cited in which Additional documents/Clarifications called for by the IRO Hyderabad. Accordingly I submit herewith the replies point-wise as under.

1. Design / Cross-Section of the road is herewith furnished. The width of the road proposed is barest minimum and further reduction is not possible.
2. To be attended by the Forest department.
3. The road is not falling in the WLS and even if it falls in ESZ, NBWL approval not required as it is a road project which has the exemption.
4. This road is connecting the both the states of Telangana and Chhattisgarh hence some portion of road as per KML file may fall in Chhattisgarh state, but the portion of the road in Telangana state only proposed for diversion for a length of 4489.50mts.

Therefore I request the District Forest Officer, Mulugu to further process the above diversion proposal.

Encl:- Cross-Section of road

Yours faithfully,  
  
District R&B Officer,  
(Executive Engineer)  
JS Bhupalapally, Mulugu



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

Rc. No. 719/2020/D1,  
Dated: 08.08.2023.

Office of the District Forest Officer,  
Bhadradi Kothagudem District.

From:  
Sri.G. Kista Goud, IFS.,  
District Forest Officer,  
Bhadradi Kothagudem District,  
Kothagudem

To:  
The Chief Conservator of Forests  
Bhadradi Circle,  
Warangal.

Sir,

Sub: TS – F(C) Act, 1980 – Diversion of forest land for (4) road projects in Mulugu District in favour of R&B Dept – Non-forest land of **114.8625 Ha** for CA identified in WLM Kinnerasani Division of Bhadradi Kothagudem District - Compensatory Afforestation Scheme in NFL and DFL for **10.7249 Ha** – Submitted - Reg.

Ref: 1. Prl.C.C.F. T.S., Hyderabad Rc.No. FC2/FC09/27/2022 (16704/2019/FCA-2), Dt. 08.08.2023.

2 FDO, WLM Kinnerasani Rc. No. 589/2020/K3, Dt. 09.08.2023.

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With reference to the subject and references cited above. It is submitted that, the Principal Chief Conservator of Forests (Head of Forest Force), Telangana State, Hyderabad vide reference 1<sup>st</sup> cited has issued the instructions to prepare the Compensatory Afforestation Scheme for 10.7249 Ha in Sy. No. 28 of Rangapuram Village, Allapally Mandal in WLM Kinnerasani Division, Paloncha in lieu of diversion of forest for the following four road projects pertaining to Mulugu District.

Sl. No	Name of the Project	Area proposed in Ha	Area recommended in Ha
1	Edhira to Kothapally	3.143	3.143
2	Chityal to Bhupathipuram	1.866	1.866
3	Cherukur to Peruru	2.288	2.288
4	Patha Alubaka to Seetharampuram	3.951	2.2293
Total:		11.248	9.5263

Accordingly the Forest Divisional Officer, WLM Kinnerasani Division, Paloncha vide reference 2<sup>nd</sup> cited has submitted the Compensatory Afforestation scheme for 10.7249 Ha in above said NFL area and in following DFL areas with a financial out lay of **Rs. 229.87240 lakhs..**



Sl. No.	Name of the Range	Name of the Section	Name of the Beat	Name of the RF	Compt. No.	Area proposed for CA
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Allapally	Venkatapuram	Venkatapuram (E)	Allapally	27	10.7249

The write up of CA Scheme, Compensatory Afforestation scheme in NFL and DFL areas along Location Map, Surveyed Sketch and KML file of DFL area received from the Forest Divisional Officer, WLM Kinnerasani Division, Paloncha are submitted herewith in (5) sets for favour of further necessary action.

This is submitted for favour of kind information and necessary action.

Encl: (5) Sets

Yours Faithfully,

District Forest Officer  
Bhadradi Kothagudem District.

Copy submitted to the Principal Chief Conservator of Forests (HoFF), T.S. Hyderabad along with enclosure for favour of kind information.

Copy submitted to the Collector & District Magistrate, Bhadradi Kothagudem District for favour of information.

Copy to the District (R & B) Officer, Bhadradi Kothagudem District, Kothagudem for information.

Copy to the Forest Divisional Officer, WLM Kinnerasani for information.

District Forest Officer  
Bhadradi Kothagudem District.



I/174791/2023

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

Rc.No.FC2/FC09/20/2022  
997/2021/FCA1,  
Dated:31/08/2023

O/o the Prl. Chief Conservator of Forests,  
(Head of Forest Force), Telangana,  
"Aranya Bhavan", Saifabad, Hyderabad.

**Sri R M Dobriyal, I.F.S.,**  
Prl. Chief Conservator of Forests &  
Head of Forest Force

\*\*\*

**Sub:** TSFD - F(C)Act, 1980 – diversion of forest land for (4) road projects in Mulugu  
- Districts in favour of R&B Dept – non-forest land for CA identified in  
Kothagudem District – CA scheme proposal submitted – verified and accepted  
with changes – intimation -Reg.

**Ref :** 1. CCF, Kothagudem Lr.No 147/2019/M3, dt.11.02.2021.  
- 2. Dist R&B Officer (R&B), Bhadradi Kothagudem District Lr.No TO/DB/CA  
land 2023, dt.31.07.2023.  
3. PCCF, TS, Hyderabad Lr.No.FC2/FC09/27/2022 (16704/2019/FCA2),  
dt.08.08.2023.  
4. DFO, Kothagudem Lr.No.1740/2023/D1, dt.11.08.2023.

\*\*\*

Immediate attention is invited to the references cited.

The CA scheme proposal as prepared and submitted by the District Forest Officer,  
Kothagudem vide ref 4<sup>th</sup> cited over CA-NFL identified to an extent of **10.7228 Ha in  
Sy.No.1 of Rangapuram Village** in lieu of diversion of Forest land of (4) road  
projects submitted by the R&B Dept vide ref 4<sup>th</sup> cited is examined and the same is  
accepted with the following modifications:

Sl. No	Activity	Amount proposed (Lakhs)	Approved
<b>NFL</b>			
1	Fire line	8.37243	4.37
2	Mini percolation tanks (Restricted to 2 Nos)	3.63	1.83
3	Percolation tanks (Restricted to 1 No)	12.10	6.00
4	RFDS	9.075	4.07
5	Monitoring huts	15.972	0
6	Animal Tracker	25.37631	12.6
7	Administrative cost	11.46946	6.90389
<b>DFL</b>			
1	RFDS	4.84	0
2	percolation tanks (Restricted to 1 No)	7.26	3.6
3	Staggered trench	13.0992	7.0
4	Administrative cost (Not required., as already included in	9.42	0



I/174791/2023

NFL scheme)		
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**After the above changes, the following will be the approved NFL and DFL scheme.**

NFL			
		As proposed	Approved
1	Cultural operations	9.86817	5.86574
2	Protection of NFL for CA	0	0
3	SMC works	38.6165	25.7115
4	Habitat improvement works	66.20995	37.46164
	<b>Sub-total</b>	<b>114.69462</b>	<b>69.03888</b>
5	Adm Cost - 10%	11.469462	6.903888
	<b>Total</b>	<b>126.164082</b>	<b>75.942768</b>
DFL			
		As proposed	Approved
1	Nurserey	5.90121	5.90121
1 (a)	CA in DFL	61.3985	61.3985
2	FP including fire protection and SMC works	26.01742	11.41822
3	Habitat improvement works	0.96316	0.96316
	<b>Sub-total</b>	<b>94.28029</b>	<b>79.68109</b>
4	Adm Cost - 10%	9.428029	0
	<b>Total</b>	<b>103.708319</b>	<b>79.68109</b>

The DFO., Kothagudem is requested to take further necessary action in the matter accordingly.

Encl: As above

Prl. Chief Conservator of Forests  
& HoFF

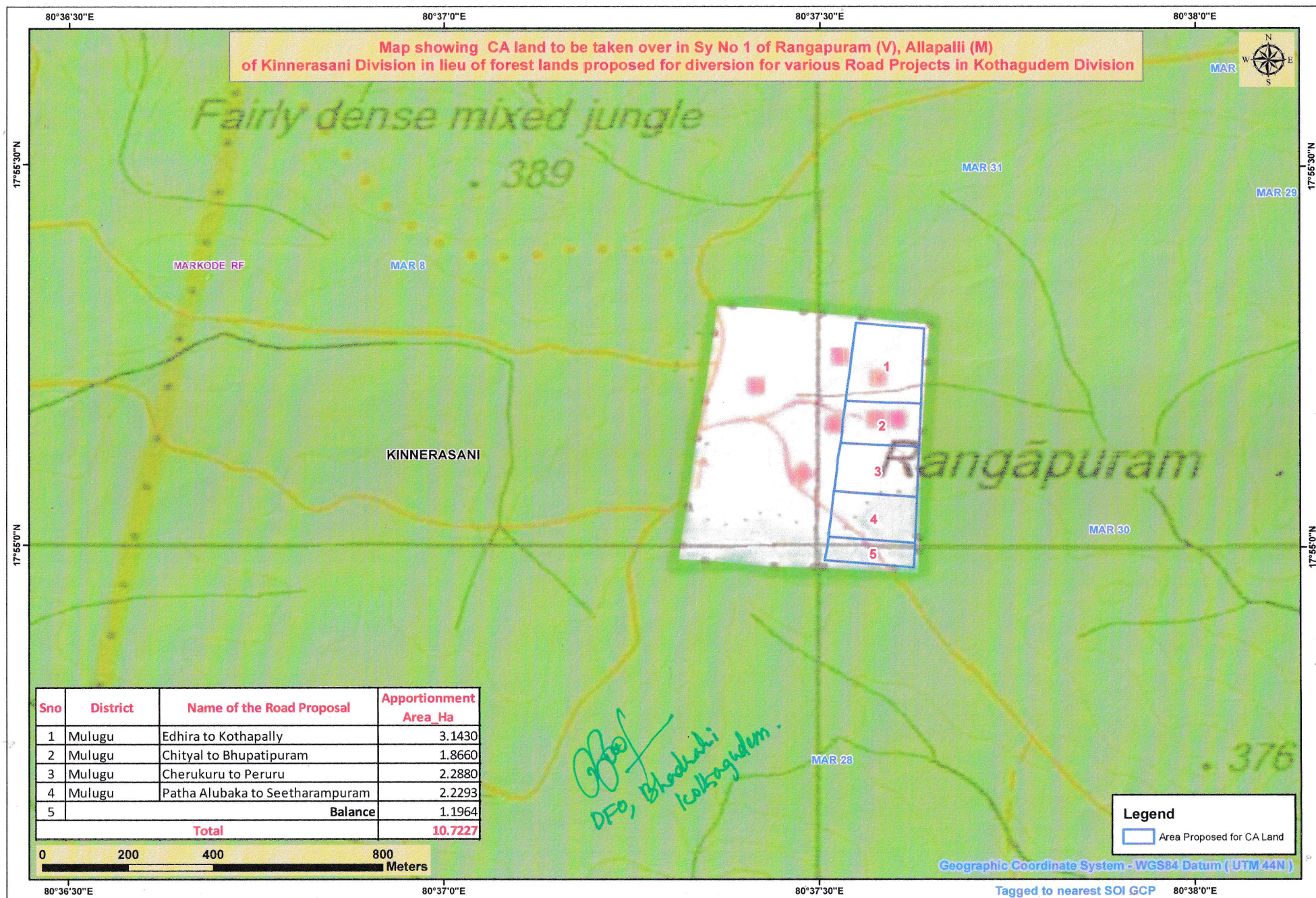
To

The DFO., Kothagudem.

Copy to the Conservator of Forests, Bhadradi Circle, Hqs-warangal for information and necessary action.

Copy to the District (R&B) Officer, (Executive Engineer), Mulugu District / Chief Engineer, (R&B) LWE, D&P, RSW & RR, Errummanzil, Hyderabad for information.







Map showing CA land to be taken over in Sy No 1 of Rangapuram (V), Allapalli (M)  
of Kinnerasani Division in lieu of forest lands proposed for diversion for various Road Projects in Kothagudem Division

Total Area in Ha - 10.7249 Ha

Name	Easting	Northing	Longitude	Latitude
PP02	460525.987	1981435.071	80.62728908	17.92055024
R012	460369.917	1981548.652	80.62581335	17.92157401
R013	460365.988	1981518.674	80.62577683	17.92130299
R014	460362.393	1981488.929	80.62574345	17.92103407
R015	460358.541	1981458.913	80.62570764	17.92076271
R016	460354.882	1981429.447	80.62567366	17.92049631
R017	460350.800	1981399.631	80.62563568	17.92022674
R018	460346.878	1981370.219	80.62559921	17.91996083
R019	460343.309	1981340.166	80.62556608	17.91968913
R020	460338.051	1981310.567	80.62551700	17.91942150
R021	460336.953	1981280.110	80.62550721	17.91914620
R022	460332.468	1981250.474	80.62546543	17.91887824
R023	460327.272	1981221.935	80.62541691	17.91862020
R024	460324.578	1981191.442	80.62539206	17.91834455
R025	460320.797	1981162.139	80.62535691	17.91807961
R026	460316.460	1981131.382	80.62531655	17.91780154
R027	460313.622	1981101.540	80.62529032	17.91753176
R028	460310.501	1981072.908	80.62526139	17.91727291
R029	460305.172	1981042.491	80.62521166	17.91699789
R030	460303.692	1981011.256	80.62519828	17.91671555
R031	460295.404	1980974.010	80.62512073	17.91637875
RP02	460420.371	1981544.325	80.62628981	17.92153583
RP03	460470.201	1981540.011	80.62676038	17.92149773
RP04	460530.174	1981534.968	80.62732673	17.92145324
RP05	460528.209	1981485.049	80.62730912	17.92100201
RP07	460523.950	1981385.073	80.62727080	17.92009830
RP08	460521.882	1981335.140	80.62725222	17.91964694
RP09	460519.886	1981285.139	80.62723431	17.91919497
RP10	460517.798	1981235.254	80.62721554	17.91874404
RP11	460515.597	1981185.226	80.62719571	17.91829183
RP12	460513.466	1981135.482	80.62717653	17.91784217
RP13	460511.426	1981085.549	80.62715821	17.91739082
RP14	460509.439	1981035.464	80.62714040	17.91693808
RP15	460507.153	1980985.430	80.62711976	17.91648581
RP16	460506.080	1980956.021	80.62711019	17.91621997
RP17	460456.258	1980960.531	80.62663970	17.91625984
RP18	460406.352	1980964.906	80.62616843	17.91629847
RP19	460350.699	1980969.908	80.62564288	17.91634268

KINNERASANI

Rangapuram

FOREST RANGE OFFICER  
W.L.M. REGALLA

Forest Divisional Officer  
Wildlife Management Division, Kinnerasani

Dy. Executive Engineer (R&B)  
Sub-Division-YELLANDU (R&B) Spl. Division, KOTHAGUDEM

EXECUTIVE ENGINEER  
Spl. Division, KOTHAGUDEM

Legend  
 \* DGPS Surveyed Points  
 Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)

Not tagged to SOI GCP

80°37'0"E

80°38'0"E

0 200 400 800 Meters

525-

17°55'0"N

17°55'0"N

80°38'0"E

80°37'0"E

MAR 29

MAR 31

MAR 8

MAR



3



*[Signature]*

*[Signature]*

*[Signature]*

W5



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

Rc.No.FC2/FC09/20/2022  
997/2021/FCA1,  
Dated:31/08/2023

O/o the Prl. Chief Conservator of Forests,  
(Head of Forest Force), Telangana,  
"Aranya Bhavan", Saifabad, Hyderabad.

**Sri R M Dobriyal, I.F.S.,**  
Prl. Chief Conservator of Forests &  
Head of Forest Force  
\*\*\*

**Sub:** TSFD - F(C)Act, 1980 - diversion of forest land for (4) road projects in Mulugu  
- Districts in favour of R&B Dept - non-forest land for CA identified in  
Kothagudem District - CA scheme proposal submitted - verified and accepted  
with changes - intimation -Reg.

- Ref :**
1. CCF, Kothagudem Lr.No 147/2019/M3, dt.11.02.2021.
  2. Dist R&B Officer (R&B), Bhadradi Kothagudem District Lr.No TO/DB/CA  
land 2023, dt.31.07.2023.
  3. PCCF, TS, Hyderabad Lr.No.FC2/FC09/27/2022 (16704/2019/FCA2),  
dt.08.08.2023.
  4. DFO, Kothagudem Lr.No.1740/2023/D1, dt.11.08.2023.
- \*\*\*

Immediate attention is invited to the references cited.

The CA scheme proposal as prepared and submitted by the District Forest Officer,  
Kothagudem vide ref 4<sup>th</sup> cited over CA-NFL identified to an extent of **10.7228 Ha in  
Sy.No.1 of Rangapuram Village** in lieu of diversion of Forest land of (4) road  
projects submitted by the R&B Dept vide ref 4<sup>th</sup> cited is examined and the same is  
accepted with the following modifications:

Sl. No	Activity	Amount proposed (Lakhs)	Approved
<b>NFL</b>			
1	Fire line	8.37243	4.37
2	Mini percolation tanks (Restricted to 2 Nos)	3.63	1.83
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1	RFDS	4.84	0
2	percolation tanks (Restricted to 1 No)	7.26	3.6
3	Staggered trench	13.0992	7.0
4	Administrative cost (Not required., as already included in	9.42	0



NFL scheme)  
**After the above changes, the following will be the approved NFL and DFL scheme.**

NFL			
		As proposed	Approved
1	Cultural operations	9.86817	5.86574
2	Protection of NFL for CA	0	0
3	SMC works	38.6165	25.7115
4	Habitat improvement works	66.20995	37.46164
	<b>Sub-total</b>	<b>114.69462</b>	<b>69.03888</b>
5	Adm Cost - 10%	11.469462	6.903888
	<b>Total</b>	<b>126.164082</b>	<b>75.942768</b>
DFL			
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1 (a)	CA in DFL	61.3985	61.3985
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	<b>Sub-total</b>	<b>94.28029</b>	<b>79.68109</b>
4	Adm Cost - 10%	9.428029	0
	<b>Total</b>	<b>103.708319</b>	<b>79.68109</b>

The DFO., Kothagudem is requested to take further necessary action in the matter accordingly.

Encl: As above

Signed by Rakesh Mohan  
Dobriyal  
Date: 31-08-2023 14:58:53  
Reason: Approved

Prl. Chief Conservator of Forests  
& HoFF

To

The DFO., Kothagudem.

Copy to the Conservator of Forests, Bhadradi Circle, Hqs-warangal for information and necessary action.

Copy to the District (R&B) Officer, (Executive Engineer), Mulugu District / Chief Engineer, (R&B) LWE, D&P, RSW & RR, Errummanzil, Hyderabad for information.



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

Ref.No.FC2/FC09/27/2022  
16704/2019/FCA-2,  
Dated: 08/08/2023

O/o the Prl. Chief Conservator of Forests,  
"Aranya Bhavan", Saifabad, Hyderabad.

**Sri R.M Dobriyal, IFS.,**  
Prl. Chief Conservator of Forests &  
Head of Forest Force

\*\*\*

**Sub:** TSFD - F(C)Act, 1980 - diversion of forest land for (4) road projects in Mulugu Districts in favour of R&B Dept - non-forest land for CA identified in Kothagudem District - instructions issued for submission of CA scheme proposals- **further instructions issued** -Reg.

**Ref :** 1. CCF, Kothagudem Lr.No 147/2019/M3, dt.11.02.2021.  
- 2. Dist R&B Officer (R&B), Bhadradi Kothagudem District Lr.No TO/DB/CA land 2023, dt.31.07.2023.

✕✕✕✕

Immediate attention of the District Forest Officer., Bhadradi Kothagudem District is invited to the subject and references cited.

In the reference 1<sup>st</sup> cited, the then CCF, Kothagudem has submitted CA scheme proposal over the NFL land identified over an extent of **114.8625 Ha** in the following Sy.Nos and Villages:

SI No	Sy No / Village and Mandal	Area in Ha.
1	Sy No 60 Basurayi (V) Allapalli (M)	25.8634
2	Sy No 28 of Ulvachelaka (V) Allapalli (M)	78.2314
3	Sy No 1 of Rangapuram (V) of Allapalli (M)	10.7249
	<b>Total NFL identified</b>	<b>114.8197</b>

Initially the above said NFL was proposed to be utilized for the following five road projects as CA land, duly identifying balance 13.16 Ha as informed by the Conservator of Forests, Kothagudem vide ref 1<sup>st</sup> cited.

S no	Name of the project	Area proposed in Ha	Area recommended in Ha
1	Tekulapally to Gundala	24.740	Proposed for withdrawal
2	Mamakannu to Bhatupally	39.153	Not recommended
3	Gundala to Pasara	9.020	10.32 (work in violation carried out)
4	Veerapuram to Gundala	38.550	14.205
5	Peddamidisileru to Bathinapally	16.560.	6.131
		<b>128.023</b>	<b>30.656</b>

However, later on, out of above 5 projects two projects were not recommended / withdrawn, due to which the area required for 3 balance projects was arrived at 30.656 Ha.

Meanwhile, the Dist R&B Officer, Kothagudem vide ref 2<sup>nd</sup> cited has requested to apportion the NFL identified to an extent of **78.2346 Ha** in Sy.No.28 of Ulvachelka Village for **17 road projects** as mentioned therein, in which the above (3) cases are also included.

While examining the 17 road projects, it is found that already four projects pertaining to Mulugu District for diversion of forest land have been processed as per the FC Rules, 2003 and subsequent amendments and submitted to the IRO, MoEF&CC, Gol before the FC Rules, 2022 came into force i.e., 28.06.2022.

Sno	Name of the project	Area proposed in Ha	Area recommended in Ha
1	Edhira to Kothapally	3.143	3.143
2	Chityal to Bhupatipuram	1.866	1.866
3	Cherukur to Peruru	2.288	2.288
4	Patha Alubaka to Seetharampuram	3.951	2.2293
		<b>11.248</b>	<b>9.5263</b>

The request of the Dist R&B Office, Kothagudem is examined and it is decided to tag Non-forest land to an extent of **10.7228 Ha in Sy.No.1 of Rangapuram Village** for the above four road projects. **Apportioned map of the NFL for the above four road is under preparation in the GIS cell and the same will be communicated within 3 days.**

Remaining (13) projects will be tagged to the **78.2346 Ha** in Sy.No.28 of Ulvachelka Village and a separate proceedings for the same will be issued alongwith apportioned map.

In view of the above, the District Forest Officer., Kothagudem is requested to prepare CA ( 10 hac ) for the above four road in the said Sy No as per the FC Act, 1980 / FC Rules, 2003 and subsequent amendment and submit the same to this office in four sets for taking further necessary action in submission of the same to the IRO, MoEF&CC, Gol, Hyderabad through the State Govt.

This should be treated as Most Urgent and the said CA scheme to be submitted to this office by **10/08/2023 through special messenger.**

Prl. Chief Conservator of Forests

(Head of Forest Force)

To

The District Forest Officer., Kothagudem.

Copy to Conservator of Forests., Bhadradi Circle, Warangal / District Forest Officer, Mahabubabad / Mulugu.

Copy to the Chief Engineer, R&B, LWE, RSW, Rural Errum Manzil, Hyderabad - 500082/ District (R&B) Officer, Mahabubabad / Kothagudem for information and

//t.c.b.o//

Superintendent.



necessary action.

**COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR RAISING CA PLANTATION IN 10.7249 Ha. DEGARDED FOREST LAND IN ALLAPALLY RANGE IN LIEU OF DIVERSION OF 9.5263 Ha. OF FOREST LAND FOR FOUR (4) ROAD PROJECTS i.e., ROAD FROM EDHIRA TO KOTHAPALLY (3.143 Ha.), CHITYAL TO BHUPATIPURAM (1.866 Ha.), CHERUKUR TO PERURU (2.288 Ha.) AND PATHA ALUBAKA TO SEETHARAMPURAM (2.2293 Ha.)**

<<< - - - >>>

**INTRODUCTION:**

The Principal Chief Conservator of Forests, Telangana State, Hyderabad vide Rc.No.FC2/FC09/27/202216704/2019/FCA-2, Dt:08.08.2023 has issued instructions to prepare the Compensatory Afforestation Scheme pertaining to the Non-Forest land situated in notified enclosure namely Rangapuram in Markode Reserved forest block with an extent of 10.7249 ha. proposed for Compensatory Afforestation in lieu of diversion of 9.5263 ha forest land for four (4) road projects i.e., (1) road from Edhira to Kothapally (3.143 ha), (2) Chityal to Bhupatipuram (1.866 ha), (3) Cherukur to Peruru (2.288 ha) and (4) Patha Alubaka to Seetharampuram (2.2293 ha) for road network in LWE areas, instructed the undersigned to prepare Compensatory Afforestation scheme. The details of the Non Forest land proposed for Compensatory Afforestation are as follows:

<b>Mandal</b>	<b>Name of the Revenue Village</b>	<b>Sy. No.</b>	<b>Name of the notified Enclosure within the RF</b>	<b>Total area of the enclosure as per notification (in Ha.)</b>	<b>Area as per DGPS survey</b>	<b>Area already proposed for CA for different projects</b>	<b>Area now proposed for CA (in Ha.)</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>	<b>(8)</b>
Allapally	Ulvachelka	28	Rangapuram	36.42	29.3463	18.6235	10.7228

The undersigned has inspected the said non-forest lands on dt: 20.10.2020 & 22.10.2020 and noticed that the said lands are located within the notified Rangapuram enclosure in Markode RF with extents as mentioned above and the Markode RF is notified u/s. 15 of AP Forest Act, 1967, vide G.O.Ms. No. 217, Forests and Rural Development (For.III) Dept., Dt: 08.07.1974. It is also noticed that the said land is located in Rangapuram Beat of Padigapuram Section, Regalla Range which is part of the core area of Kinnerasani Wildlife Sanctuary and is covered with tree growth of species Nallamaddi, Tani, Chinduga, Buruga, Tuniki, Pala, Pachara, Karangi, Teak, Revadi, Usiri, Kodisa, Gumpena, Barriduddi, Chilakaduddi, Morli, Aare, Bojja, Battaganam, Ippa, Neem, Rela, Maddi, Chirumanu, Chennangi, Ravi, Pusuga etc., with canopy density varying from 0.2 to 0.4 and as such it is more appropriate to take up cultural operations, fire tracing works, weed removal, SMC measures like



staggered contour trenches, construction of Rock fill dams, check-dam and percolation tanks across nalahs passing through the area etc. to improve the Wildlife habitat in the area and as such a scheme for rejuvenation of vegetation in the **Non forest land (NFL)** and habitat improvement in the area has been prepared with a **financial outlay of Rs.126.16408 lakhs**. To meet the requirement of planting 1000 plants/ ha for forest land proposed for diversion, Compensatory Afforestation is proposed in Degraded Forest Area (DFL) by retrieving forest land over an extent of 10.7249 ha. under Semi Mechanical Method with 3m X 3m espacement. The details are as follows.

Sl. No.	Name of the Range	Name of the Section	Name of the Beat	Name of the RF	Compt. No.	Area proposed for CA
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Allapally	Venkatapuram	Venkatapuram (E)	Allapally	27	10.7249

Continuous peripheral trench around the proposed CA plantation site in DFL areas and other protective measures are proposed to be taken up with twin objectives of Soil & Moisture conservation and preventing biotic interference in the plantation site. Compensatory Afforestation Scheme is prepared with a financial outlay of **Rs.103.70831** Lakhs for development of Degraded Forest area.

#### **LOCATION OF THE AREA PROPOSED FOR COMPENSATORY AFFORESTATION IN DEGRADED FOREST AREA:**

The Compensatory Afforestation Scheme is aimed at creating green cover and improvement of crop density and ultimately quality of Forests. In view of this, retrieved forest land over an extent of 10.7249 Ha. in Compt.No.27, Venkatapuram (E) Beat, Venkatapuram Section of Allapally RF of Allapally Range of Kinnerasani Wildlife Management Division, Palvanha has been identified and proposed for Compensatory Afforestation.

#### **LEGAL STATUS OF THE PROPOSED CA-DFL AREA:**

The proposed retrieved forest land identified for Compensatory Afforestation in Compt.No.27 of Venkatapuram (E) Beat, Venkatapuram Section, Allapally Range of Kinnerasani Wildlife Management Division, Palvanha is part and parcel of Allapally RF notified under Section 15 of AP Forest Act, 1967, vide G.O.Ms.No.220, Forests and Rural Development (For.III) Dept., Dt:06.07.1974.

#### **SOIL DESCRIPTION AND TERRAIN:**

The selected forest land with degraded plain areas with accessibility to road network and are degraded mainly due to encroachment by local people and are found suitable for Compensatory Afforestation.

In the proposed area, the soils are eroded and are ranging from Red Soil, Sandy loam etc.

### **FLORA AND FAUNA:**

There is Wildlife in the area like Spotted Deer, Four Horned Antelope, Bison, Sambar, Nilgai etc., Therefore, measures for restoration of vegetation, creation of sufficient water sources / fodder and legume species to the wild animals and overall protection are proposed. The flora consists mainly of Nallamaddi, Tellamaddi, Kondatangedu, Chirumanu, Bandaru, Billudu, Tuniki, Ippa, Yegisa etc.

### **PROJECT COST:**

The total financial out lay of the project for both Compensatory Afforestation in DFL and rejuvenation of vegetation and habitat improvement in NFL is as follows:

<b>S.No</b>	<b>Scheme Proposals</b>	<b>Cost in Lakhs</b>
	<b>CA-DFL</b>	
1	Compensatory Afforestation in Degraded Forest Area	67.29971
2	Forest Protection including Fire protection & SMC works	26.01742
3	Habitat Improvement	0.96316
4	Administrative Cost	9.42803
	<b>Total:</b>	<b>103.70832</b>
	<b>CA-NFL</b>	
1	Cultural operations	9.86817
2	Protection of Non forest CA land	0
3	SMC Works	38.61650
4	Habitat improvement works	66.20995
5	Administrative Cost	11.46946
	<b>Total:</b>	<b>126.16408</b>
	<b>Grand Total (DFL + NFL):</b>	<b>229.87240</b>

The total financial out lay of the project is **Rs. 229.87240 lakhs**. The annual requirement of funds have been worked out on the base cost of 2023-24 FSR with 10% annual escalation for the remaining project period up to 2037-38.

### **MODE OF EXECUTION:**

It is proposed to implement the above scheme by Departmental execution method. In addition to the existing staff of Forest Department with required logistic support, necessary manpower required for effective implementation of the project will be hired through outsourcing.




### EMPLOYMENT GENERATION:

The degraded forest land proposed for Compensator Afforestation is located in Allapally Mandal in Agency Area. The local labour mostly Tribals along with Scheduled Castes will be benefitted by implementation of this project for their daily livelihood generation expected to be created is 20993 man days during the project period from 2023-24 to 2037-38 (60% manual component i.e, 20993 mandays @ Rs.657/- per day as per District Collector wage rate).

Further, it is mentioned that in case the selected locations and the areas are unavailable for taking up planting anticipating the delay of approval of the proposal, suitable degraded areas will be selected and planting will be taken up and accordingly the deviation, if any, in implementing the scheme will be borne by the User Agency in the jurisdiction of Kinnerasani WLM Division, Palvancha. Similarly, it is also mentioned that the User Agency will be remitting the equal amount into CAMPA Account, in case the degraded forest lands were taken up for re-afforestation with any funding agency since Forest Kinnerasani WLM Division, Palvancha has been taking up re-afforestation in the retrieved areas of forest lands, where encroachment problem is severe. To curb the encroachment problem and re-afforestation the gap areas this modification is proposed.

  
Forest Range Officer,  
Allapally.

  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Palvancha.

  
**DISTRICT FOREST OFFICER**  
Bhadradi Kothagudem Dist,  
Kothagudem  
 10/8/23  
10/8/2023

Compensatory afforestation scheme for 10.7249 Ha. of Non Forest Land in Sy.No.28 (part of Rangapuram enclosure in Markode RF), Ulvachelka Village, Allapally Mandal located in Kinnerasani WLS in lieu of 9.5263 Ha. of forest land proposed for diversion for four (4) Road Projects

Sl. No	Item of Work	Phy	Unit Cost 2023-24 (Rs.)	2024-25			2025-26			2026-27			2027-28			2028-29			2030-31			2031-32			2032-33			2033-34			2034-35			2035-36			2036-37			2037-38			Total		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
I	Cultural Operations																																												
	1 Singling, Coppicing, Brushwood cleaning	ha	4871.00				10.7249	5893.91	0.63212		6483.30	0.00000		7131.63	0.00000		7844.79	0.00000		8629.27	0.00000		9492.20	0.00000		10441.42	0.00000		11485.56	0.00000			0			0			0			11	0.63212		
	2 Re Visit of Cultural Operations	ha	5500.00					6655.00	0.00000		7320.50	0.00000	10.7249	8052.55	0.86363		8857.81	0.00000		9743.59	0.00000		10717.94	0.00000		11789.74	0.00000		12968.71	0.00000		14265.5835	0		15692.14188	0		17261.35607	0			18987.49168	11	0.86363	
	3 Creation and maintenance of firelines	rmt	11.21	5000	12.33	0.61655	5000	11.56	0.67821	5000	14.92	0.74603	5000	16.41	0.82063	5000	18.05	0.90269	5000	19.86	0.99296	5000	21.85	1.09226	5000	24.03	1.20148	5000	26.43	1.32163												45000	8.37243		
	Sub Total:					0.61655			1.31033			0.74603			1.68426			0.90269			0.99296			1.09226			1.20148		1.32163			0.00000			0.00000				0.00000			0.00000			9.86817
II	Protection of non-forest CA land																																												
4a	Construction of big boundary pillars - corners	No's	12000				0	14520	0.00000																																		0	0.00000	
4b	Construction of intermediate boundary pillars @ 20 m interval	No's	1000				0	1210	0.00000																																		0	0.00000	
5	Erection of Chain link fencing at NFL in Sy.No.60, Yenkatapuram Village	Km	1993200				0	2411772	0.00000																																		0	0.00000	
5a	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha - two years	Per person per ha per year	6508.16	10.7249			0	7875	0.00000																																				0.00000
	Sub Total:					0.00000			0.00000			0.00000			0.20000			0.00000			0.00000			0.00000			0.00000		0.00000			0.00000			0.00000			0.00000			0.00000			0.00000	
III	SMC Works																																												
6	Digging of CPT in km	km	140000					169400	0.0000																																		0.00	0.00000	
7	Bund plantation in km	km	30000					36300			39930	0.0000																															0.00	0.00000	
8	Construction of Mini Percolation Tanks	No's	75000				4	90750	3.6300																																		4	3.63000	
9	Construction of Percolation Tanks	No's	500000				2	605000	12.1000																																		2	12.10000	
10	Construction of Checkdams	No's	750000				1	1000000	10.0000																																		1	10.00000	
11	Staggered trenches	Cmt	230				1500	254	3.8115		280	0.0000																															1500	3.81150	
12	Construction of RFDs	No's	10000				75	12100	9.0750																																		75	9.07500	
13	Solar pumps with bore well for PTs	No's	500000				1	605000	6.0500																																				
	Sub Total					0.00000			44.66650			0.00000			0.00000			0.00000			0.00000			0.00000			0.00000		0.00000			0.00000			0.00000			0.00000			0.00000			38.61650	
IV	Habitat Improvement works																																												
14	Removal of obnoxious weeds in and around CA-NFL area	ha	11195.70				10.7249	14901	1.5982		16392	0.000																															10.72	1.59817	
15	Maintenance for Removal of Obnoxious weeds	ha	4478.20					5960	0.0000	10.7249	6557	0.703	10.7249	7212	0.773	10.7249	7933.40447	0.85085	10.7	8726.745	0.93593																						42.90	3.26347	
16	Maintenance/Purchase of vehicle for monitoring	2000000					1	2000000	20.000																																			1.00	20.00000
17	Construction of monitoring hut	No's	1200000				1	1597200	15.9720											</																									

Forest Range Officer  
W.L.M. ALLAPALLY

Forest Divisional Officer  
Wildlife Management Division, Kinnerasani

**DISTRICT FOREST OFFICER**  
Bhadradi Kothagudem Dist,  
Kothagudem

10/8/23



Compensatory afforestation scheme for 10.7249 Ha. of degraded forest land in C.No.27, Venkatapuram (E) Beat, Allapally RF / Range in Kinnerasani WLS in lieu of 9.5263 Ha. of forest land proposed for diversion for four (4) Road Projects.

[illegible]

Forest Range Officer  
W.L.M. ALLAPALLY

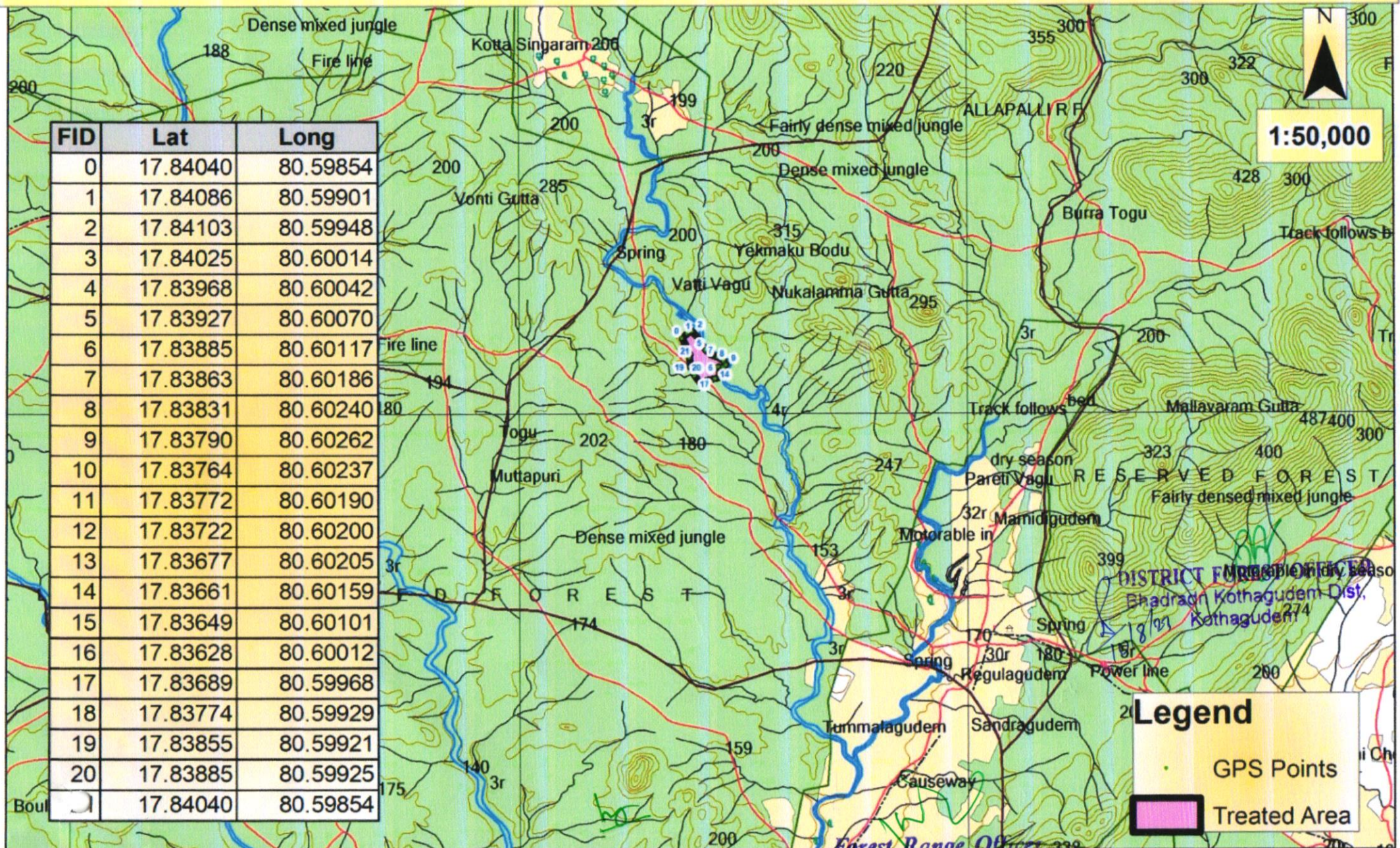
**Forest Divisional Officer**  
Wildlife Management Division, Kinnerasani

DISTRICT FOREST OFFICER  
Bhadradi Kothagudem Dist.  
Kothagudem

10/8/23



**Location Map showing the 10.7249 Ha. DFL area in Compt.No.27 of Allapally R.F., of Venkatapuram (E) Beat of Venkatapuram Section of Allapally Range identified for CA in lieu of 9.5263 Ha Forest Land Proposed for diversion for four (4) road Projects.**



FID	Lat	Long
0	17.84040	80.59854
1	17.84086	80.59901
2	17.84103	80.59948
3	17.84025	80.60014
4	17.83968	80.60042
5	17.83927	80.60070
6	17.83885	80.60117
7	17.83863	80.60186
8	17.83831	80.60240
9	17.83790	80.60262
10	17.83764	80.60237
11	17.83772	80.60190
12	17.83722	80.60200
13	17.83677	80.60205
14	17.83661	80.60159
15	17.83649	80.60101
16	17.83628	80.60012
17	17.83689	80.59968
18	17.83774	80.59929
19	17.83855	80.59921
20	17.83885	80.59925
21	17.84040	80.59854

Forest Divisional Officer  
Wildlife Management Division, Kinnerasani



**Surveyed Sketch showing the 10.7249 Ha. DFL area in Compt.No.27 of Allapally R.F.,of Venkatapuram (E) Beat of Venkatapuram Section of Allapally Range identified for CA in lieu of 9.5263 Ha Forest Land Proposed for diversion for four (4) road Projects.**



**1:10,000**

FID	Lat	Long
0	17.84040	80.59854
1	17.84086	80.59901
2	17.84103	80.59948
3	17.84025	80.60014
4	17.83968	80.60042
5	17.83927	80.60070
6	17.83885	80.60117
7	17.83863	80.60186
8	17.83831	80.60240
9	17.83790	80.60262
10	17.83764	80.60237
11	17.83772	80.60190
12	17.83722	80.60200
13	17.83677	80.60205
14	17.83661	80.60159
15	17.83649	80.60101
16	17.83628	80.60012
17	17.83689	80.59968
18	17.83774	80.59929
19	17.83855	80.59921
20	17.83885	80.59925
21	17.84040	80.59854



*hb*

Forest Divisional Officer  
Wildlife Management Division, Kinnerasani

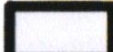
*W.L.M.*

Forest Range Officer  
W.L.M. ALLAPALLY

*[Signature]*  
DISTRICT FOREST OFFICER  
Bhadrachalam Kothagudem Dist,  
Kothagudem  
*10/8/23*

**Legend**

• GPS Points

 Treated Area



**SITE INSPECTION REPORT OF SRI. G. KISTA GOUD, I.F.S., DISTRICT FOREST OFFICER, BHADRADRI KOTHAGUDEM DISTRICT ON 11.08.2023 REGARDING THE CA (NFL) AND (DFL) AREAS PROPOSED FOR COMPENSATORY AFFORESTATION SCHEME FOR RAISING CA PLANTATION IN 10.7249 Ha. DEGARDED FOREST LAND IN ALLAPALLY RANGE OF WILDLIFE MANAGEMENT KINNERASANI DIVISION PALONCHA IN LIEU OF DIVERSION OF 9.5263 Ha. OF FOREST LAND FOR FOUR (4) ROAD PROJECTS i.e., ROAD FROM EDHIRA TO KOTHAPALLY (3.143 Ha.), CHITYAL TO BHUPATIPURAM (1.866 Ha.), CHERUKUR TO PERURU (2.288 Ha.) AND PATHA ALUBAKA TO SEETHARAMPURAM (2.2293 Ha.)**

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**INTRODUCTION:**

The Principal Chief Conservator of Forests, Telangana State, Hyderabad vide Rc.No.FC2/FC09/27/202216704/2019/FCA-2, Dt:08.08.2023 has issued instructions to prepare the Compensatory Afforestation Scheme pertaining to the Non-Forest land situated in notified enclosure namely Rangapuram in Markode Reserved forest block with an extent of 10.7249 ha. proposed for Compensatory Afforestation in lieu of diversion of 9.5263 ha forest land for four (4) road projects i.e., (1) road from Edhira to Kothapally (3.143 ha), (2) Chityal to Bhupatipuram (1.866 ha), (3) Cherukur to Peruru (2.288 ha) and (4) Patha Alubaka to Seetharampuram (2.2293 ha) for road network in LWE areas, instructed the undersigned to prepare Compensatory Afforestation scheme. The details of the Non Forest land proposed for Compensatory Afforestation are as follows:

<b>Mandal</b>	<b>Name of the Revenue Village</b>	<b>Sy. No.</b>	<b>Name of the notified Enclosure within the RF</b>	<b>Total area of the enclosure as per notification (in Ha.)</b>	<b>Area as per DGPS survey</b>	<b>Area already proposed for CA for different projects</b>	<b>Area now proposed for CA (in Ha.)</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>	<b>(8)</b>
Allapally	Ulvachelka	28	Rangapuram	36.42	29.3463	18.6235	10.7228

The Forest Divisional Officer, WLM Kinnerasani Division, Paloncha has inspected the said non-forest lands on 20.10.2020 & 22.10.2020 and submitted the CA scheme on 09.08.2023 and I have also inspected the said Non Forest land (NFL) and Degraded Forest Area (DFL) proposed for Compensatory Afforestation on 11.08.2023




along with Forest Divisional Officer, WLM Kinnerasani Division, Paloncha and concerned staff and noticed that the said lands are located within the notified Rangapuram enclosure in Markode RF with extents as mentioned above and the Markode RF is notified u/s. 15 of AP Forest Act, 1967, vide G.O.Ms. No. 217, Forests and Rural Development (For.III) Dept., Dt: 08.07.1974. It is also noticed that the said land is located in Rangapuram Beat of Padigapuram Section, Regalla Range which is part of the core area of Kinnerasani Wildlife Sanctuary and is covered with tree growth of species Nallamaddi, Tani, Chinduga, Buruga, Tuniki, Pala, Pachara, Karangi, Teak, Revadi, Usiri, Kodisa, Gumpena, Barriduddi, Chilakaduddi, Morli, Aare, Bojja, Battaganam, Ippa, Neem, Rela, Maddi, Chirumanu, Chennangi, Ravi, Pusuga etc., with canopy density varying from 0.2 to 0.4 and as such it is more appropriate to take up cultural operations, fire tracing works, weed removal, SMC measures like staggered contour trenches, construction of Rock fill dams, check-dam and percolation tanks across nalahs passing through the area etc. to improve the Wildlife habitat in the area and as such a scheme for rejuvenation of vegetation in the Non Forest land (NFL) and habitat improvement in the area has been prepared with a financial outlay of Rs.126.16408 lakhs. To meet the requirement of planting 1000 plants/ ha for forest land proposed for diversion, Compensatory Afforestation is proposed in Degraded Forest Area (DFL) by retrieving forest land over an extent of 10.7249 ha. under Semi Mechanical Method with 3m X 3m espacement. The details are as follows.

Sl. No.	Name of the Range	Name of the Section	Name of the Beat	Name of the RF	Compt. No.	Area proposed for CA CH
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Allapally	Venkatapuram	Venkatapuram (E)	Allapally	27	10.7249

Continuous peripheral trench around the proposed CA plantation site in DFL areas and other protective measures are proposed to be taken up with twin objectives of Soil & Moisture conservation and preventing biotic interference in the plantation site. Compensatory Afforestation Scheme is prepared with a financial outlay of **Rs.103.70831** Lakhs for development of Degraded Forest area.

Dt. 11.08.2023.  
Kothagudem.

  
District Forest Officer,  
Bhadradri Kothagudem District







**Compensatory afforestation scheme for 10.7249 Ha. of degraded forest land in C.No.27, Venkatapuram (E) Beat, Allapally RF / Range in Kinnerasani WLS in lieu of 9.5263 Ha. of forest land proposed for diversion for four (4) Road Projects.**

			2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		2031-32		2032-33		2033-34		2034-35		2035-36		2036-37		2037-38		Grand Total	
Sl. No	Item of Work	Qty	Unit Cost 2023-24 (Rs.)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs. In Lakhs)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
I	Raising of Plants in Nurseries & their Maintenance, Procurement of Plants																																	
1	Raising of Primary beds	Plant	0.4343	20000	0.4772	0.09134																												
2	Raising of Sap Plants of K.V.2	Plant	5.4308	20000	5.97188	1.10478																												
3	Maintenance of Sap Plants of K.V.2																																	
4	Con. of sap plants from K.V.2 to P.V.11.2	Plant	12.0662																															
5	Maintenance of Sap Plants of P.V.11.2	Plant	1.1467																															
Sub Total						3.29632			3.23150			3.37519		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000	5.36121	
II	Planting activities (SMM) in DFL																																	
6	Advance Operations	Ha	79187				10.7249	83671	9.11381																									
7	Raising of Plantation	Ha	313022				10.7249	379052	18.68870																									
8	1st Year Maintenance	Ha	44938							10.72	63821	7.05948																						
9	2nd Year Maintenance	Ha	31304										10.72	13206.17	5.57975																			
10	3rd Year Maintenance	Ha	185101													10.72	32862.60	3.52448																
11	4th Year Maintenance	Ha	21796													10.72	29807.58	3.39683																
12	5th Year Maintenance	Ha	13101																10.72	28413.88	3.04843													
13	6th Year Maintenance	Ha	2933																															
14	7th Year Maintenance	Ha	11260																															
15	8th Year Maintenance	Ha	2933																															
16	9th Year Maintenance	Ha	13166																															
17	10th Year Maintenance	Ha	2933																															
Sub Total						6.00000			9.12383			18.68870		7.05948	5.57975		3.52448		3.19683		3.04843		0.74372		3.68962		0.89748		4.40222		10.72	4932.58	0.44022	46.39850
III	SAC Works																																	
18	Construction of Percolation Tanks within vicinity of DFL CA	No's	300000				2	363000	7.2600																									
19	Construction of Mini Percolation Tanks within vicinity of DFL CA	No's	75000				1	10750	0.9075																									
20	Staggered trenches	Can	210				500	254	1.2705	2000	280	5.5802	2000	307	6.1492																			
21	Construction of RFDs in the vicinity of CA DFL	No's	10000				40	12100	4.8400																									
22	Solar pump with bore well for P.Ts	No's	500000				1	405000	4.0500																									
Sub Total						0.00000			20.13630			5.59020		6.14922	0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000	26.07742		
IV	Habitat improvement works																																	
23	Removal of alien weed within vicinity of DFL CA	Ha	7950				10	9632	0.9632			10595	0.0000																					
Sub Total						0.00000			0.96316			0.00000		0.00000	0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000		0.00000	0.96316		
V	Administrative Cost - 10%					0.23480			3.36562			2.59543		1.31087	0.55798		0.35245		0.31958		0.30886		0.07417		0.36886		0.08975		0.44632		0.12860	9.42863		
Total year wise outlay of the project						5.43395			37.00564			24.54872		14.52997	6.13779		3.87099		3.51652		3.35328		0.81549		4.05748		0.94723		4.93953		1.13455	109.70885		

*Forest Range Officer*  
**W.L.M. ALLAPALLY**

*Forest Divisional Officer*  
Wildlife Management Division, Kinnerasani

**DISTRICT FOREST OFFICER**  
Bhadradri Kothagudem Dist.  
Kothagudem

*10/8/25*

# UNIT COST FOR RAISING OF PRIMARY BEDS

R-2023-Code	Item of work	Unit	FSR Rate (Rs.)	Agency allowance 25% (Rs)	Total Rate (Rs.)	Amount (Rs.)
01.00.00	PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.					
01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	Bed	6.13	1.53	7.66	7.66
01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	47.25	11.81	59.06	59.06
01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	Bed	35.07	8.77	43.84	43.84
01.01.05	For every extra km beyond 5 km upto 25 km	Bed	29.20	7.30	36.50	36.50
01.01.06	Cost and transport of 0.025 cum FYM	Bed	30.14	0.00	30.14	30.14
01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and lavelling.	Bed	13.44	3.36	16.80	16.80
01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	Bed	15.36	3.84	19.20	19.20
01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	Bed	500.00	0.00	500.00	500.00
01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and broadcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm	Bed	15.30	3.83	19.13	19.13
01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	45 Days	17.22	4.31	21.53	32.29
01.01.15	Cost of chemicals, fungicide and insecticide	Bed	5.00	0.00	5.00	5.00
	Electrical Charges		20.00	0.00	20.00	20.00
	Total					789.62
	Rasing of seedlings 110% for abtaining 100%				10%	78.96
	Total					868.58
	cost of each plant (2000 plants per bed) - 2023-24					0.4343

10% escalation every year

Forest Range Officer  
W.L.M. ALLAPALLY

Forest Divisional Officer  
Wildlife Management Division, Kannerasani



# UNIT COST FOR BAG PLANT NURSERY

UNIT COST FOR BAG PLANT NURSERY									
2023-24 Code	Item of work	Unit	Qty.	As per FSR				Amount (Rs.)	
				Rate (Rs)	Per	Agency allowance 25% (Rs)	Total (Rs)		
	<b>BAG PLANT NURSERY:</b> Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9"								
	<b>Raising of Nursery in Polythene bags</b> in sizes of 4"x7" (200 gauge) or 5"x9" (250								
1	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed	1	61.44	1	15.36	76.80	76.80
	Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of								
2	01.03.03	10 cm x 17.5 cm (4" x 7") size bags of 200 g: 589 bags / kg	Kg	4.41	178.00	1	0.00	178.00	784.98
	01.03.04	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1							
	01.03.05	Distance upto 5 km							
3	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	239.70	1000		239.70	623.22
	01.03.06	For every extra km beyond 5 km upto 25 km							
4	a	10 cm x 17.5 cm (4" x 7") = 0.56 cum vol. for 1000 bags	No's	2600	130.80	1000		130.80	340.08
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.							
5	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	723.25	1000	180.81	904.06	2350.56
6	01.03.09	Allignment of beds including allignment of inspection paths etc	Bed	1	9.41	1	2.35	11.76	11.76
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	2600	174.28	1000	43.57	217.85	566.41
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	2600	103.68	1000	25.92	129.60	336.96
9	01.03.12	Watering the plants (2 Months) twice a day from Feb-March - a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	4	338.28	1	84.57	422.85	1691.40
10	01.03.13	Weeding to be done for every 2 months from the date of transplantaation up to March	Bed	4	68.33	1	17.08	85.41	341.65
11	01.03.14	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted	Bed	1	290.16	1	72.54	362.70	362.70

13	3.15	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	Bed	1	82.37	1	20.59	102.96	102.96
13	01.03.16	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	Bed	1	52.00	1	0.00	52.00	52.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	42.36	1	10.59	52.95	105.90
15	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10846.93	100	0.00	10846.93	433.88
16		Electricity charges					0.00	300.00	300.00
		<b>Total</b>							<b>8481.26</b>
17		Add casualty 10%							751.09
		<b>2023-24 Grand Total</b>							<b>9232.35</b>
		<b>cost of each plant (2600 plants per bed)</b>							<b>5.4308</b>

10% escalation every year

Forest Range Officer  
W.L.M. ALLAPALLY

Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.



# UNIT COST FOR MAINTENANCE OF BAG PLANTS (4"x7")

Sl. No.	2023-24 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	Agency allowance 25% (Rs)	Total (Rs)	
		Maintenance of 4"x7" or 5"x9" bag-plants from April – August - Watering the plants twice a day from April – August							
1	01.04.01	(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	5	338.27	1	84.5675	422.8375	2114.19
2	01.04.02	Weeding the beds during May & July	Bed	2	68.33	1	17.0825	85.4125	170.83
3	01.04.03	Shifting, grading and rearrangement in beds	Bed	1	290.16	1	72.54	362.7	362.70
4		Electricity charges							300.00
5	01.05.04	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions	Bed	4	10846.93	100	0.00	10846.93	433.88
		<b>2023-24 Total</b>							<b>3381.59</b>
		<b>cost of each plant (2600 plants per bed)</b>							<b>1.3006</b>

10% escalation every year

Forest Range Officer  
WLM ALLAPALLY

Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

# UNIT COST FOR CONVERSION FROM 4"x7" to 9"x11"

R-2023-  
24 Code

Item of work	Unit	Qty.	As per FSR				Amount (Rs.)	
			Rate (Rs)	Per	Agency allowance 25% (Rs)	Total (Rs)		
<b>CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).</b>								
<b>Cost and Transport of ingredients for Potting Mixture:</b> Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.								
1	Transportation of soil mixture ingredients							
	Distance up to 5 km							
	(e) 4" x 7" to 9" x 11" bags ( 4.717 - 0.56 = 4.157 cum)	No	500	1779.74	1000	0.00	1779.74	889.87
22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance							
	(e) 4" x 7" to 9" x 11" bags ( 4.717 - 0.56 = 4.157 cum)	No	500	968.80	1000	0.00	968.80	484.40
3.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)							
e	(e) 4" x 7" to 9" x 11" bags ( 4.717 - 0.56 = 4.157 cum)	No	500	3233.43	1000	808.36	4041.79	2020.89
								40.00
1.03.23	Cost of Chemical component							
1.03.30	Stakes to be provided to plants in 8"x12", 9"x11", 10"x16" and 12"x13" bags with a minimum 1.50 mtr height	No	500	5788.13	1000	0.00	5788.13	2894.07
01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings							
	Weeding the plants (2 weedings)	Bed	2	68.33	1	17.08	85.41	170.83
01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	72.54	362.70	725.40



03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.							
a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	84.59	422.93	2114.63
01.03.34	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.							30.00
7	01.05.04 <b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10846.93	100	0.00	10846.93	433.88
8	Cost of the ploythene bags							2340.00
9	01.03.39 Electricity charges							500.00
	<b>Total</b>							<b>12643.96</b>
10	01.03.38 Contingencies @ 5%							632.198
	<b>2023-24 Total for 500 plants</b>							<b>13276.15</b>
	<b>cost of each plant</b>							<b>12.0692</b>

10% escalation every year

Forest Range Officer  
W.L.M. ALLAPALLY

Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

**UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)**

Sl. No.	FSR-2023-24 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	Agency allowance 25% (Rs)	Total (Rs.)	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X 9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)							
	01.04.01	Watering polybag secondary beds twice a day for 4 months							
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	338.27	1	84.57	422.84	1691.35
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	17.08	85.41	85.41
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	72.54	362.70	725.40
4	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	52.00	1	0.00	52.00	52.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)							
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	0.00	25.00	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	8.55	42.74	42.74
7	01.05.04	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10846.93	100	0.00	10846.93	433.88
8	01.04.09	Electricity charges			500.00		0.00	500.00	500.00
		<b>Total</b>							<b>3555.78</b>
9	01.04.08	Contingencies @ 5%							<b>177.79</b>
		<b>2023-24 Total</b>							<b>3733.57</b>
		<b>cost of each plant (500 Plants per bed)</b>							<b>3.3942</b>

10% escalation every year

*Forest Range Officer*  
**W.L.M. ALLAPALLY**

*h*  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.



**UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal)**

Sl. No.	FSR-2023-24 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	Agency allowance 25% (Rs)	Total (Rs.)	
		<b>MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL</b>							
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	52.24	261.20	1044.80
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	72.54	362.70	362.70
3	01.05.04	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/month	5	10846.93	100	0.00	10846.93	542.35
		<b>Total</b>							<b>1949.85</b>
		<b>cost of each plant (1100 Plants per bed)</b>							<b>1.7726</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

**Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m (SMM) during 2023-24**

FSR Code	Item of work	Unit	Quant ity	Unit Rate per Ha				Amount (Rs.)
				As per FSR				
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
02.08.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform by end of December.	Plantation	1	441.77	0.00	441.77	1	442
02.08.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. The unsuitable area shall be excused from the clearing operation and the expenditure shall be incurred for effective area only. All the above operations shall be completed before December.							
a	Sparse Jungle growth (< 10% ground area covered with Jungle growth)	Ha	0.2	2455.33	613.83	3069.16	1	614
b	Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	Ha	0.2	3690.64	922.66	4613.30	1	923
c	Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	Ha	0.6	8670.61	2167.65	10838.26	1	6503
02.08.03	Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal, and levelling. For retrieved encroached area, the approval of Circle Head is required and the approval should indicate clearly the density of stumps or vegetation to be removed through uprootal. The uprootal work can be carried out preferably through tender process.				0.00	0.00		
a	Sparse Jungle growth (< 10% ground area covered with Jungle growth)	Ha	0.4	6586.65	0.00	6586.65	1	2635
b	Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	Ha	0.3	12748.32	0.00	12748.32	1	3824
c	Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	Ha	0.3	16573.42	0.00	16573.42	1	4972
02.08.04	Collection and Removal of uprooted stumps of all sizes, other debris etc. to outside plantation site							
a	Sparse Jungle growth (< 10% ground area covered with Jungle growth)	Ha	0.4	6709.72	1677.43	8387.15	1	3355
b	Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	Ha	0.4	10647.59	2661.90	13309.49	1	5324
c	Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	Ha	0.2	12415.12	3103.78	15518.90	1	3104



	Tilling (Permissible for CA area only) the soil to a depth of 0.45 cm in the affected area (excluding unsuitable patches) with heavy duty machinery fitted with 0.9 cum and above capacity bucket and levelling - Permissible for CA area only (and written approval of Circle head is needed and required budgetary provision has to find place in annual approved plan) and VIP planting area (minimum area should be more than 1 ha). The uprootal and tilling works shall be done preferably through a tender process and the execution of work completed before end of March							
a	Sparce jungle growth (<10% ground area covered with jungle growth)	ha	1	20809.08	5202.27	26011.35	1	26011
	Digging of Cattle Proof Trench around the plantation	Cmt	300	42.00	0.00	42.00	1	12600
	<b>Unit Rate for 2023 -24</b>							<b>70307</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.

## Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM) during 2023-24

FSR Code	Item of work	Unit	Quantity	As per FSR				Unit Rate per Ha	
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	Amount (Rs.)	
02.09.02	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. <b>FOR TILLED AREA ONLY</b>								
a	Ordinary Soil	Ha	1	4325.04	0.00	4325.04	1		4325
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	Ha	1	1257.61	314.40	1572.01	1		1572
02.09.04	© Alignment and staking including demarcation of base line for Misc species with espacement 3mX3m (1111 Nos)	No's	1111	105.41	26.35	131.76	100		1464
02.09.05	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	No's	1111	1415.61	353.90	1769.51	100		19659
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil								
b	45 cm cube size pits	No's	1111	10.65	2.66	13.31	1		14790
	<b>PLANTING OPERATIONS DURING RAISING YEAR</b>								
01.03.05	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit	cum	0.000	310.86	0	310.86	1		0
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				0	0.00			
02.09.07	b) upto 5 Km lead (23X28 cm (9"X11")bag plants)	No's	1111	309.57	0	309.57	100		3439
02.09.08	b) 5 Km to 25 Km lead (23X28 cm (9"X11")bag plants)	No's	1111	217.60	0	217.60	100		2418
02.09.10	Internal transport of bag plants/root trainers to planting points on head loads.				0	0.00			
b	23X28 cm (9"X11")bag plants	No's	1111	194.46	48.62	243.08	100		2701
02.09.11	Fortification of seedling with insecticide and treating pits with SSP								
	(a) Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	No's	1111	46.32	11.58	57.90	100		643
	(b) Cost of SSP, Chloridine dust or Chloropyriphos	No's	1111	1.00	0.00	1.00	1		1111
	<b>Planting Bag Plants</b>								
02.09.13	Planting in 45 cm size cubic pit Pit	No's	1111	516.09	129.02	645.11	100		7167
02.09.14	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	No's	1111	312.46	78.12	390.58	100		8679
02.09.15	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance). The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.								
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil - a) 45 cm size cubic pits	No's	222	5.33	1.33	6.66	1		1478
02.09.07, 02.09.08	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading - b) upto 25 Km lead (23X28 cm (9"X11")bag plants)	No's	222	527.17	0.00	527.17	100		1170



Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
02.09.10	Internal transport of bag plants/root trainers to planting points on head loads - b) 23X28 cm (9"X11") bag plants	No's	222	194.46	48.62	243.08	100	540
02.09.13	Planting in 45 cm size cubic pit Pit	No's	222	516.09	129.02	645.11	100	1432
02.09.16	Cost of DAP @25gm / planting point	No's	1111	1.00	0.00	1.00	1	1111
02.09.17	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	No's	1111	46.32	11.58	57.90	100	643
	<b>WEEDING &amp; SOIL WORKING</b>							
02.09.18	a) Circular weeding to a radius of 0.50 m around the plant (during July - Aug)	No's	1111	191.53	47.88	239.41	100	2660
02.09.19	b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.)	No's	1111	890.24	222.56	1112.80	100	12363
02.09.20	Inter-ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough - a) in Ordinary Soils	Ha	1	3391.73	0.00	3391.73	1	3392
02.09.22	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing.	Ha	1	4306.88	1076.72	5383.60	1	5384
02.09.25	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha Rs.8757 per month - nine months	per person per month	1	10846.93	0.00	10846.93	Ha	4881
	Raising of Bund Plantation for CPT around the plantation	Km	1	30000.00	0.00	30000.00	Km	30000
								133022
	<b>Unit Rate for 2023 -24</b>							

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

# Unit Cost for 1st Year Maintenance of NTSH Plantation (3m X 3 m) SMM per Ha during 2023-24

FSR Code	Item of work	Unit	Unit Rate per Ha				Amount (Rs.)	
			Quantit Y	As per FSR				
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.) Per		
02.10.01	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance). The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.			50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.				
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil - a) 45 cm size cubic pits	No's	278	10.65	2.66	13.31	1	3698
02.09.07	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading - b) upto 5 Km lead (15X30 cm (6"X12")bag plants)	No's	278	309.57	77.39	386.96	100	1075
02.09.08	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading - b) beyond 5 km and upto 25 Km lead (15X30 cm (6"X12")bag plants)	No's	278	217.60	0.00	217.60	100	604
02.09.10	Internal transport of bag plants/root trainers to planting points on head loads - b) 15X30 cm (6"X12")bag plants	No's	278	194.46	48.62	243.08	100	675
02.09.12	Planting in 45 cm size cubic pit Pit	No's	278	516.09	129.02	645.11	100	1792
02.09.14	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	No's	1111	312.46	78.12	390.58	100	4339
02.09.16	Cost of DAP @25gm / planting point-50% of raising cost	No's	1111	0.50		0.50	1	556
02.09.11	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	No's	1111	46.32	11.58	57.90	100	643
02.10.04	WEEDING & SOIL WORKING Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	No's	1111	890.24	222.56	1112.80	100	12363
02.10.03	Weeding and saucer formation to a radius of 0.50 mtr around the plant in the entire plantation during July / August	No's	1111	191.53	47.88	239.41	100	2660
02.10.05	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing.	ha	0.7	4306.88	1076.72	5383.60	1	3769



02.10.07	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	ha	1	3391.73	847.93	4239.66	1	4240
02.10.09	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.65	183.24	100	2036
	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha Rs.8757 per month - 12 months	per pers on per mon th	1	10846.93	0.00	10846.93	Ha	6508
	<b>Unit Rate for 2023 - 24</b>							<b>44958</b>
	10% escalation every year							

*Forest Range Officer*  
GULLAPALLY

*no*  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

# Unit Cost for 2nd Year Maintenance of NTSH Plantation (3 m X 3 m) SMM per Ha

## Unit Rate per Ha

Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
			Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
02.10.01 Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance). The causality replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. - 5% proposed			50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.				
02.09.06 Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil - a) 45 cm size cubic pits	No's	56	10.65	2.66	13.31	1	740
02.09.07 Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading - b) upto 5 Km lead (15X30 cm (6"X12")bag plants)	No's	56	309.57	77.39	386.96	100	215
02.09.08 Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading - b) beyond 5 km and upto 25 Km lead (15X30 cm (6"X12")bag plants)	No's	56	217.60	0.00	217.60	100	121
02.09.10 Internal transport of bag plants/root trainers to planting points on head loads - b) 15X30 cm (6"X12")bag plants	No's	56	194.46	48.62	243.08	100	135
02.09.13 Planting in 45 cm size cubic pit Pit	No's	56	516.09	129.02	645.11	100	358
02.11.02 Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	ha	1	2536.18	634.05	3170.23	1	3170
02.11.03 Weeding and saucer formation to a radius of 0.50 mtr around the plant in the entire plantation during July / August	No's	1111	191.53	47.88	239.41	100	2660
02.11.04 Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	No's	1111	890.24	222.56	1112.80	100	12363
02.11.05 Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be carried out during July-Aug)	No's	1111	146.59	36.65	183.24	100	2036
02.01.03 Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction ). All stumps to be cut to ground level.	Rmt	100	6.14	1.54	7.68	1	768
02.10.05 Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing.	ha	0.6	4306.88	1076.72	5383.60	1	3230



<b>Cost of Protection:</b> (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha Rs.8757 per month - 12 months	per pers on per mon th	1	10846.93	0.00	10846.93	Ha	6508
<b>Unit Rate for 2023 - 24</b> 10% escalation every year							32304

  
 Forest Range Officer  
 W.L.M. ALLAPALLY

  
 Forest Divisional Officer,  
 Kinnerasani WLM Division,  
 Paloncha.

Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m X 2m) SMM per Ha

Code	Item of work	Unit	Quantity	Unit Rate per Ha				Amount (Rs.)
				As per FSR				
				Rate (Rs.)	Agency allowen ce 25% (Rs)	Total (Rs.)	Per	
02.11.04	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	No's	1111	890.24	222.56	1112.80	100	12363
02.11.05	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.6475	183.24	100	2036
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
02.11.06	<b>Cost of Protection:</b> (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha Rs.8757 per month - six months	per pers on per mon th	1	10846.93	0.00	10846.93	1	3254
Unit Rate for 2023 - 24								18550

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.



**Unit Cost for 4th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha**

		Unit Rate per Ha		As per FSR				Amount (Rs.)
Item of work	Unit	Quantity	Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per		
01.04 Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	No's	1111	890.24	222.56	1112.80	100	12363	
02.11.05 Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.6475	183.24	100	2036	
03.05.01 Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897	
Unit Rate for 2023 - 24							15296	

10% escalation every year

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*h6*  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

**Unit Cost for 5th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha**

Item of work	Unit	Quantit y	Unit Rate per Ha				Amount (Rs.)
			As per FSR				
			Rate (Rs.)	Agency allowence 25% (Rs)	Total (Rs.)	Per	
02.11.04 Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	No's	1111	890.24	222.56	1112.80	100	12363
03.05.01 Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
Unit Rate for 2023 - 24							13260
10% escalation every year							

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.



**Unit Cost for 6th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha**

**Unit Rate per Ha**

Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
			Rate (Rs.)	Agency allowen ce 25% (Rs)	Total (Rs.)	Per	
02.11.05 Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.6475	183.24	100	2036
03.05.01 Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
<b>Unit Rate for 2023 - 24</b>							<b>2933</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.

**Unit Cost for 7th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha**

**Unit Rate per Ha**

Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
			Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
01.04 Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	No's	1111	890.24	222.56	1112.80	100	12363
03.05.01 Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
<b>Unit Rate for 2023 - 24</b>							<b>13260</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.



# Unit Cost for 8th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha

## Unit Rate per Ha

Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
			Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
05.05.01 Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.6475	183.24	100	2036
Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
<b>Unit Rate for 2023 - 24</b>							<b>2933</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*W*  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.

# Unit Cost for 9th Year Maintenance of NTSII Plantation (3m X 3m) SMM per Ha

Unit Rate per Ha

SR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
02.11.04	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	No's	1111	890.24	222.56	1112.80	100	12363
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.39	896.95	100	897
<b>Unit Rate for 2023 - 24</b>								<b>13260</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

*Forest Divisional Officer,*  
Kinnerasani WLM Division,  
Paloncha.



Unit Cost for 10th Year Maintenance of NTSH Plantation (3m X 3m) SMM per Ha

Unit Rate per Ha

SR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
02.11.05	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.648	183.24	100	2036
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	717.56	179.390	896.95	100	897
<b>Unit Rate for 2023 - 24</b>								<b>2933</b>

10% escalation every year

*Forest Range Officer*  
W.L.M. ALLAPALLY

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Forest Divisional Officer,  
Kinnerasani WLM Division,  
Paloncha.