



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**



From,  
Sri. Rahul Kisan Jadhav, I.F.S.,  
District Forest Officer,  
Mulugu District

To,  
The Chief Conservator of Forests,  
Kaleshwaram Circle,  
JS-Bhupalpally.

**Rc.No.457/2021/TO, Date.31.08.2023 (ii).**

**Sir,**

**Sub:** TSFD – F(C) Act, 1980 – **Diversion of 1.868 Ha** in Mulugu District for construction of **BT road from Chityal to Bhupathipuram from km 0/0 to 5/0** in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District — Revised submission of Field Inspection & Part-II - Regarding.

**Ref:**

1. PCCF, TS, Hyderabad, Rc.No.7879/2019/FCA2, Dt.20.02.2021.
2. DE, Letter No. DEE/R&B/MLG/Frst C-K/2019-20, Dt.18.06.2021.
3. FDO, WLM Eturnagaram, Rc.No.5036/2020/S1, Dt.08.09.2021 **(Received on 18.09.2021).**
4. IRO, MoEF&CC, GoI, Hyderabad, Lr.No.4-TSB268/2022-HYD/732, Dt.29.09.2022.
5. District (R&B) Officer, EE, Mulugu, Rc.No.DB/ATO/EE/R&B/Mlg/P-A road/2022-23, Dt.10.01.2023.
6. DFO, Mulugu, Rc.No.457/2021/TO, Dt.03.07.2023.
7. PCCF, TS, Hyderabad, Rc.No.FC2/FC09/28/2022 (18040/2019/FCA-1), Dt.02.08.2023.

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Kind attention is invited to the subject and reference cited above. It is submitted that, the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad, vide reference 6<sup>th</sup> cited above has informed that, the IRO, MoEF & CC vide reference 4<sup>th</sup> cited above has instructed to submit the field inspection notes & part-II by District Forest Officer, Mulugu District along with EDS raised.

Accordingly, I have inspected the proposed **Diversion of 1.868 Ha** in Mulugu District for construction of **BT road from Chityal to Bhupathipuram from km 0/0 to 5/0** in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District on 31.08.2023.

Further, it is submitted that, the field observation of above proposed road for **Diversion of 1.868 Ha** in Mulugu District for construction of **BT road from Chityal to Bhupathipuram from km 0/0 to 5/0** in Chityal RF in WLM Eturnagaram Forest

Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District on 31.08.2023 and the District (R&B) Officer, EE, Mulugu area as follows.

Sl. No	Range	Name of the R.F	Comp.No's involved	Length of road (m)	Width of road (m)	Total Forest area required for diversion
1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha

**Accordingly, the user agency has submitted the following in Part-I (FC Act Format)**

- Area proposed for Diversion of forest land to an extent of 1.866 Ha in WLM Eturnagaram Division in Mulugu District.
- Diversion of **1.866 Ha** in Mulugu District for construction of BT road from **Chityal to Bhupathipuram** from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District.

**The following is proposed by District Forest Officer, Mulug District in Part-II (FC Act Format)**

- The proposed road is passing through forest area of Eturnagaram North Range falling in Chityal RF.
- This project is entirely falling in Eturnagaram Wildlife Sanctuary.
- It is a corridor for Tiger movement and there are recent evidences of Tiger Movement.
- The forest is having lot of wildlife which includes Spotted deer (*Axis axis*), Jackal (*Canis aureus*), Sloth bear (*Melursus ursinus*), Neelagai (*Boselaphus tragocamelus*), Porcupine (*Hystrix indica*), Python (*Python molurus*), Wild Dogs (*Cuon alpines*), Wild Boar (*Sus scrofa*), Chowsinga (*Tetracerus quadricornis*), Indian Gaurs (*Bos gaurus*) etc., and hence it is very important wildlife habitat
- There are no protected Archaeological/ Heritage site/Defence establishment or any other important monument located in the forest area.
- The Availability of Right of Way in each of the RFs as per the Gazette Notification of the respective RFs is as shown in the map and the following table:

Sl No	Range	RF	Segment in map	Beat	Length in Mtr	Right of Way
1	2	3	4	5	6	8
1	Eturnagaram North	Chityal	A-B	Bhupathipur (S)	1639	Yes (Cart track from Kannaiguda to Ghanpur passing through Bhupathipur as per Block Map)
2	Eturnagaram North	Chityal	B-C	Bhupathipur (S)	2097	No Row
				<b>Total:</b>	<b>3736</b>	

- Thus total length with available Right of Way is for 1639 meters and there is No Right of Way for 2097 meters. However, the width of RoW is not mentioned in the Gazette Notification
- The type of Forests as per Champion and Seth is Southern Tropical Dry Deciduous Forests. The canopy density of the vegetation is 0.4 to 0.7.
- In the segment mentioned as A-B in map and table above, there is already BT road present in the proposed area. The width of BT road present is 3.6 meters with length 1639 meters in existing proposal. The User Agency informed that the road was formed long back and they do not have any records to show the year of the BT road formation. Since BT road is formed, it is a violation of the Forest Conservation Act, 1980.
- The species commonly found are *Terminelia tomentosa* (Nallamaddi), *Tectona grandis* (Teak), *Butea monosperma* (Moduga), *Boswellia serrata* (Anduga) *Terminalia arjuna* (Yerumaddi), *Acacia arabica* (Tumma), *Holoptelia integrifolia* (Nemalinara), *Terminelia bellerica* (Thani), *Xylia xylocarpa* (Tangedi) *Cassia fistula* (Rela), *Cleistanthus collinus* (Nallakodisha), *Buchanania lonzan* (Morri), *Semecarpus anacardium* (Jeedi), *Terminelia chebula* (Gotti), *Bombax ceiba* (Burugu), *Bambusa arundinacea* (Bamboo) and *Madhuca indica* (Eppa).
- During the field inspection, it is noticed that, the alignment of road proposed for diversion is passing along the existing BT road and passing through the Compt. No. 27 and 39a of Chityal, Reserve Forests.
- The proposed area for diversion is highly vulnerable to soil erosion due to the project.
- The proposed road is for connectivity between Chityal and Bhupathipuram villages. There is already an existing BT road from Bhupathipuram to Kannaigudem to Chityal. Thus these two villages are already connected via BT road. Hence, the present proposal is not unavoidable. Further, as observed during the field visit, the traffic movement on the road is very less and does not justify a new BT road. Thus the proposed road is not very essential for connectivity.
- Since after formation of the road, there will be increase in speed of vehicles and also traffic and hence there is need for (6) No's of Animal passages of width minimum of 30.00 M length and 3.00M height as per the specific guidelines, designs and norms for construction of under passage as specified by the MoEF&CC.

- The CA Area (1.868 Ha) is identified in Sy.No.1 (Total 10.7228 Ha) of Rangapuram Village of Allapalli Mandal of Bhadravri Kothagudem District. In lieu of diversion of Forest land of (4) road projects.

**The project is recommended subject to fulfillment of the following conditions and A,B,C & ~~D~~ Mitigation plan suggested below.**

- Speed Breakers should be provided for every 500 m to limit the speed of vehicles below 30 Kmph.
- Caution signages should be provided.
- Since there is movement of Tiger and other wildlife, the wildlife mitigation measures are proposed.

**A, B, C, <sup>D</sup> and ~~D~~ wild life mitigation measures suggested below.**

- A. Animal passage plan: User agency to build structures as part of passage plan.
- B. Wildlife mitigation plan / Wildlife Conservation plan: Habitat Improvement works - Rs. 12.00 Lakhs.
- C. Wildlife mitigation plan / Wildlife Conservator plan : Provision for Monitoring facility and protection - Rs. 46.00 Lakhs
- D. Wildlife mitigation plan / Wildlife Conservator plan : Publicity and Awareness - Rs.14.25 Lakhs
- E. Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Soil Moisture Conservation works – Rs.43.50 Lakhs

Hence, I am submitting herewith the submitting the revised Filed Inspection & Part-II 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, TS, Hyderabad, for favour of kind information.

Copy to the Forest Divisional Officer, WLM Eturnagaram Division for information.

  
District Forest Officer,  
Mulug District

**PART - II**

**To be filled by the concerned Deputy conservator of Forests)  
State Serial No. of Proposals.**

7	Location of the Project / Scheme	:	Diversion of <b>1.868 Ha</b> in Mulugu District for construction of BT road from <b>Chityal to Bhupathipuram</b> from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District.																	
i	State	:	Telangana																	
ii	District	:	Mulugu																	
iii	Forest Division	:	WLM Eturnagaram Division																	
iv	Area of the Forest Land Proposed for diversion (in Ha)	:	1.868 Ha																	
			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Sl. No</th> <th style="width:15%;">Range</th> <th style="width:15%;">Name of the R.F</th> <th style="width:10%;">Comp. No's involved</th> <th style="width:10%;">Length of road (m)</th> <th style="width:10%;">Width of road (m)</th> <th style="width:15%;">Total Forest area required for diversion</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td>Eturnagaram North</td> <td>R.F Chityal</td> <td align="center">27, 39a</td> <td align="center">3736</td> <td align="center">5</td> <td align="center">1.868 Ha</td> </tr> </tbody> </table>				Sl. No	Range	Name of the R.F	Comp. No's involved	Length of road (m)	Width of road (m)	Total Forest area required for diversion	1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha
Sl. No	Range	Name of the R.F	Comp. No's involved	Length of road (m)	Width of road (m)	Total Forest area required for diversion														
1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha														
v	Legal Status of Forest	:	<p>The area Proposed for Diversion of <b>1.868 Ha</b> in Mulugu District for construction of BT road from <b>Chityal to Bhupathipuram</b> from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&amp;B Officer (Executive Engineer), Mulugu District in Chityal RF Block Notified are under Andhra Pradesh Forest Act 1967 and the details are as follows.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Sl. No.</th> <th style="width:20%;">Name of the Forest Block</th> <th style="width:10%;">Notified under</th> <th style="width:25%;">Gazette Number</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td>Chityal</td> <td align="center">15</td> <td>G.O.Ms.no.681, dt.27.07.1355 F</td> </tr> </tbody> </table>				Sl. No.	Name of the Forest Block	Notified under	Gazette Number	1	Chityal	15	G.O.Ms.no.681, dt.27.07.1355 F						
Sl. No.	Name of the Forest Block	Notified under	Gazette Number																	
1	Chityal	15	G.O.Ms.no.681, dt.27.07.1355 F																	
vi	Density of Vegetation	:	The type of Forests as per Champion and Seth is Southern Tropical Dry Deciduous Forests. The canopy density of the vegetation is 0.4 to 0.7.																	
vii	Species wise (scientific names) and diameter class-wise enumeration of trees to be enclosed. In case of irrigation / Hydal project enumeration at FRL - 2, meter & FRL-4 meter.	:	Enumeration list is enclosed																	

Sl. No	Local Name of tree	Botanical name of tree	Number of trees	Girth class wise no of trees				No. of poles	Qty of Timber Cum	Qty of Fuel Cum.	Total Value Rs.
				31 to 60 cm	61 to 90 cm	91 to 120 cm	> 120 cm				
1	Enumeration list Enclosed										
Viii	Brief note on vulnerability of the forest area to erosion		:	The proposed area for diversion is highly vulnerable to soil erosion due to the project.							
Ix	Approximate distance of proposed site for diversion from boundary of Forest		:	Diversion of <b>1.868 Ha</b> in Mulugu District for construction of BT road from <b>Chityal to Bhupathipuram</b> from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District in Chityal RF Block Notified under Andhra Pradesh Forest Act 1967.							
X	Whether forms part of National park, Wild Life Sanctuary biosphere reserve, tiger reserve, elephant corridor etc., (if so the details of the area and comments of the Chief Wild life warden to be annexed)		:	The Proposal is falling in Eturnagaram Wildlife Sanctuary area. The extent of forest area involved in WLM Eturnagaram WLM 1.868 Ha							
Xi	Whether any rare / endangered / unique species of flora and fauna in the area if so details thereof.		:	It is a corridor for Tiger movement and there are recent evidences of Tiger Movement. The forest is having lot of wildlife which includes Spotted deer ( <i>Axis axis</i> ), Jackal ( <i>Canis aureus</i> ), Sloth bear ( <i>Melursus ursinus</i> ), Neelagai ( <i>Boselaphus tragocamelus</i> ), Porcupine ( <i>Hystrix indica</i> ), Python ( <i>Python molurus</i> ), Wild Dogs ( <i>Cuon alpines</i> ), Wild Boar ( <i>Sus scrofa</i> ), Chowsinga ( <i>Tetracerus quadricornis</i> ), Indian Gaurs ( <i>Bos gaurus</i> ) etc., and hence it is very important wildlife habitat.							
Xii	Whether any protected archaeological heritage site/defense establishment or any other important monuments is located in the area if so the details thereof within NOC from competent authority if required.		:	There are no protected Archaeological/Heritage site/Defence establishment or any other important monument located in the forest area. However, there are many wood fossils available in the area.							
8	Whether the requirement of forest land as proposed by the user agency in col-2 of Part-I is unavoidable and barest minimum for the project if no recommended area item wise with details of alternatives examined.		:	The required Forest Land is barest minimum and is un avoidable.							
9	Whether any working violation of the Act has been carried out (Yes/No) if Yes, details of the same including period of		:	In the segment mentioned as A-B in map (as enclosed) and table as given in the field inspection notes, there is already BT road							

	work done, action taken on earning officials		present in the proposed area. The width of BT road present is 3.6 meters with length 1639 meters in existing proposal. The User Agency informed that the road was formed long back and they do not have any records to show the year of the BT road formation. Since BT road is formed, it is a violation of the Forest Conservation Act, 1980.
10	Details of Compensatory Afforestation Scheme.		
i)	Details of Non Forest area / degraded forest area identified or compensatory afforestation and adjoining forest number of patches, size of each path.	:	The CA Area (1.868 Ha) is identified in Sy.No.1 (Total 10.7228 Ha) of Rangapuram Village of Allapalli Mandal of Bhadradi Kothagudem District. In lieu of diversion of Forest land of (4) road projects.
ii)	Map Showing non-forest area identified for compensatory afforestation and adjoining forest boundaries.	:	-do-
ii)	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	Certificate 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 Deputy Conservator of Forests (To be enclosed) especially highlighting facts asked in Col-7 (xi,xii) 8 and 9 above.	:	I have inspected the proposed area on 31.08.2023, inspection notes is enclosed.
12	Division / District Profile	:	
i.	Geographical area of the District.	:	3881.00 km <sup>2</sup>
ii.	Forest area of the District	:	2945.45km <sup>2</sup>
iii.	Total Forest area diverted since, 1980 with number of acres.	:	Nil.
iv.	Total compensatory Afforestation stipulated in the District / Divisions since 1980 on	:	Nil.
v.	Progress of Compensatory Afforestation ....	:	Nil.
	a) Forest Land	:	Nil.
	b) Non Forest Land	:	Nil.
13	Specific recommendation of the Deputy Conservator Forests for acceptance of other wise of the proposals with reasons.	:	The project is recommended subject to fulfillment of the following conditions A,B,C & D Mitigation plan suggested below and ➤ Speed Breakers should be provided for every 500 m to limit the speed of vehicles below 30 Kmph.

					<ul style="list-style-type: none"> <li>➤ Caution signages should be provided.</li> <li>➤ Since there is movement of Tiger and other wildlife, the wildlife mitigation measures are proposed.</li> </ul>
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**A) Animal passage plan:** User agency to build following structures as part of passage plan

Sl. No	Name of the Road	Compt. No.	Lat	Long	Structure	Dimensions
1	Chityal to Bhupathipur Road	27	18.541747	80.288092	Underpass	Height - 3m Length - 30 m Width -5 m
2	Chityal to Bhupathipur Road	27	18.53866	80.292111	Underpass	Height - 3m Length - 30 m Width -5 m
3	Chityal to Bhupathipur Road	27	18.535983	80.295976	Underpass	Height - 3m Length - 30 m Width -5 m
4	Chityal to Bhupathipur Road	39 a	18.531273	80.294598	Underpass	Height - 3m Length - 30 m Width -5 m
5	Chityal to Bhupathipur Road	39 a	18.525551	80.295309	Underpass	Height - 3m Length - 30 m Width -5 m
6	Chityal to Bhupathipur Road	39 a	18.520006	80.295847	Underpass	Height - 3m Length - 30 m Width -5 m

**B) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Habitat Improvement works.**

Sr.No	Measures	Qty	Rate	Per	Amount
1.	Construction of big PTs along with Digging of bore wells, fixing solar operated pump sets etc. for providing water to wild animals round the year	1	12.00 lakh	each	12.00 lakh
2.	User agency to erect Chain link fencing along the road to prevent direct the wild animals into underpasses and prevent them from straying on road	As per field condition	-	-	By user agency
3	Speed regulating signage and speed breaker to be erected along the road at regular intervals (signage- 3 per 1 km)	24 or as per field conditions	-	-	By user agency
4	Avenue Plantation of forest tree species inside the Chain link fencing, towards the forest to prevent light pollution during night and to check soil erosion				By user agency

**C) Wildlife mitigation plan/Wildlife (WL) Conservation Plan : Provision for Monitoring facility and Protection**

Sl. No	Measures	Qty	Rate	Per	Amount
1	Watch tower and camping facility with solar power for monitoring the wildlife and fire treats in deep forest area	2	20 lakh	each	40.00 lakh
2	Purchase of Camera Traps 20nos @ Rs.30,000/- each (3 pair of camera trap for 1 km)	20	30000	each	6.00 lakh
					<b>46.00 Lakhs</b>



**D) Wildlife mitigation plan/Wildlife (WL) Conservation Plan: Publicity and awareness**

Sl. No	Measures	Qty	Rate	Per	Amount
1	Installation of Publicity and informative hoardings 3 nos @ Rs.0.750 Lakhs each	3	0.750 Lakhs		2.250 lakh
2	Improvement of the Existing Interpretation center/EEC Infrastructure at Eturnagaram WLS.	1	5.00 lakhs	each	05.00 lakh
3	Wildlife Awareness Fund to celebrate Week/Village night awareness campaign by play/Publish/	20	0.10 lakhs	each	2.00 Lakhs
4	Administrative Cost	LS	LS	LS	5.00 Lakhs
					<b>14.25 Lakhs</b>

**E) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Soil Moisture Conservation works.**

Sl. No	Range	Section	Beat	Com pt. Nos	Lat	Long	Type of Work	Phy in Nos	Unit cost	Fin in Lakhs
1	2	3	4	5	6	7	8	9	10	11
1	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.539633°	80.301456°	Check Dam	1	6.00	6.00
2	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.534412°	80.303229°	Check Dam	1	6.00	6.00
3	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.537103°	80.297945°	Percolation Tank	1	2.00	2.00
4	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.535277°	80.299438°	Percolation Tank	1	2.00	2.00
5	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.540522°	80.297522°	Percolation Tank	1	2.00	2.00
6	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.543329°	80.297528°	Rock fill dam	10	0.15	1.50
7	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.543768°	80.301780°	Rock fill dam	15	0.15	2.25
8	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.523218°	80.306856°	Check Dam	1	6.00	6.00
9	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.528649°	80.306654°	Check Dam	1	6.00	6.00
10	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.531359°	80.299018°	Percolation Tank	1	2.00	2.00
11	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.526675°	80.301938°	Percolation Tank	1	2.00	2.00
12	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.524414°	80.298043°	Percolation Tank	1	2.00	2.00
13	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.516865°	80.307095°	Rock fill dam	10	0.15	1.50
14	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.514798°	80.308153°	Rock fill dam	15	0.15	2.25
<b>Eturnagaram (N) Total:</b>										<b>43.50</b>
<b>SMC Plan Grand Total:</b>										<b>43.50</b>

**Abstract of A, B, C, D and E Mitigation plan:**

**Thus the abstract of Mitigation Plan as indicated above as follows:**

<b>Sl. No.</b>	<b>Component</b>	<b>Amount (in lakhs)</b>
1	B. Habitat Improvement works	12.00
2	C. Provision for Monitoring facility and Protection	46.00
3	D. Publicity and awareness	14.25
4	E. SMC Plan	43.50
	<b>Grand Total:</b>	<b>115.75</b>

Dt.31.08.2023  
Place: Mulugu

  
District Forest Officer,  
Mulug Districts  
  
31/8

**E) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Soil Moisture Conservation Plan.  
(Chityal to Bhupathipuram Road)**

Sl. No	Range	Section	Beat	Compt. Nos	Lat	Long	Type of Work	Phy in Nos	Unit cost	Fin in Lakhs
1	2	3	4	5	6	7	8	9	10	11
1	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.539633°	80.301456°	Check Dam	1	6.00	6.00
2	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.534412°	80.303229°	Check Dam	1	6.00	6.00
3	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.537103°	80.297945°	Percolation Tank	1	2.00	2.00
4	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.535277°	80.299438°	Percolation Tank	1	2.00	2.00
5	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.540522°	80.297522°	Percolation Tank	1	2.00	2.00
6	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.543329°	80.297528°	Rock fill dam	10	0.15	1.50
7	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	27	18.543768°	80.301780°	Rock fill dam	15	0.15	2.25
8	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.523218°	80.306856°	Check Dam	1	6.00	6.00
9	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.528649°	80.306654°	Check Dam	1	6.00	6.00
10	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.531359°	80.299018°	Percolation Tank	1	2.00	2.00
11	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.526675°	80.301938°	Percolation Tank	1	2.00	2.00
12	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.524414°	80.298043°	Percolation Tank	1	2.00	2.00
13	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.516865°	80.307095°	Rock fill dam	10	0.15	1.50
14	Eturnagaram (N)	Bhupathipur	Bhupathipur (S)	39a	18.514798°	80.308153°	Rock fill dam	15	0.15	2.25
							<b>Eturnagaram (N) Total:</b>			<b>43.50</b>
							<b>SMC Plan Grand Total:</b>			<b>43.50</b>

District Forest Officer,  
Mulug District

10/3/18

**Field Inspection Notes of Sri. Rahul Kisan Jadhav IFS, District Forest Officer, Mulugu 31.08.2023 in Eturnagaram North Range an area proposed for Diversion of 1.868 Ha in Mulugu District for construction of BT Road from Chityal to Bhupathipuram from km 0/0 to 5/0 Chityal RF in WLM Eturnagaram Forest Division of Mulugu District in favour of District R&B Officer, (Executive Engineer), Mulugu District.**

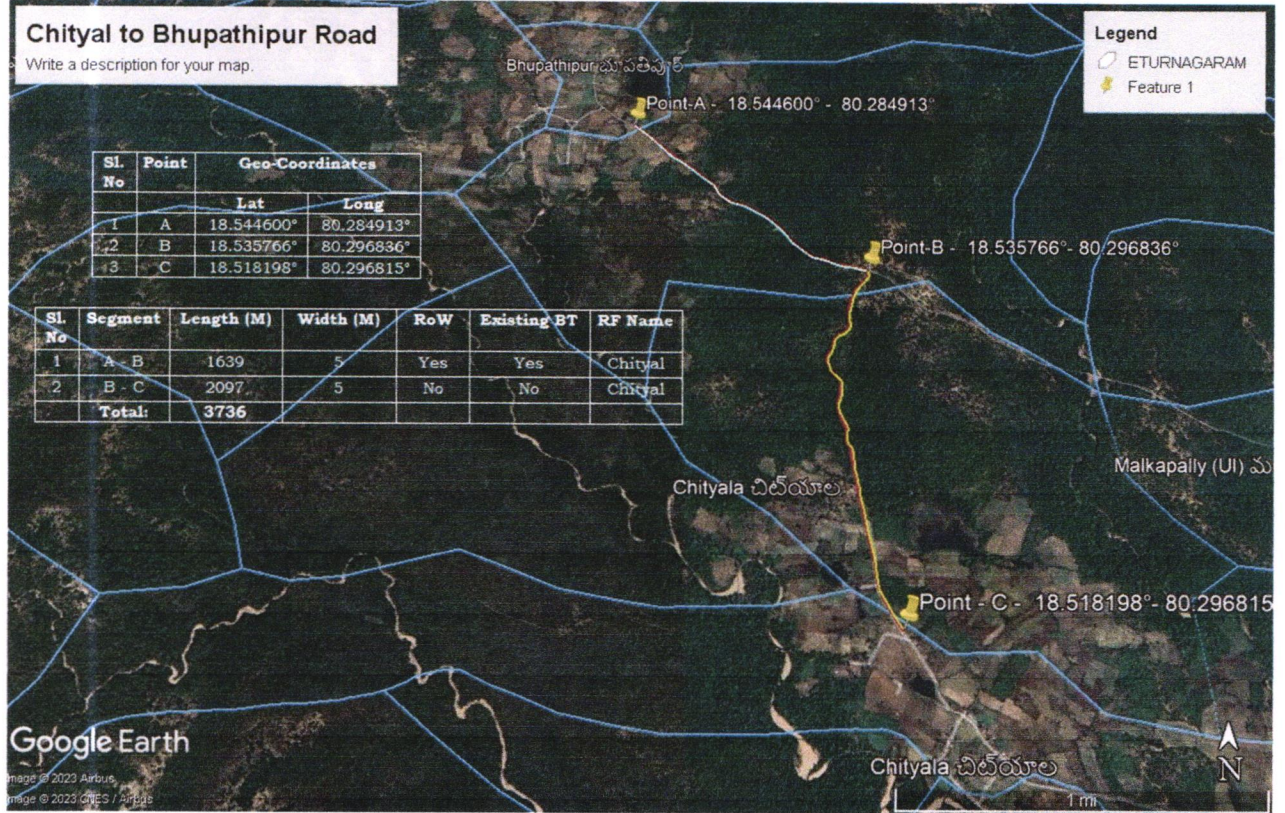
During the Field Inspection on Dated.31.08.2023, I along with Forest Range Officer, Eturnagaram (North) Range and staff of Eturnagaram North Range have Inspected proposed diversion proposals for Diversion of 1.868 Ha in Mulugu District for construction of BT Road from Chityal to Bhupathipuram from km 0/0 to 5/0 Chityal RF in WLM Eturnagaram Forest Division of Mulugu District in favour of District R&B Officer, (Executive Engineer), Mulugu District passing through forest area of Eturnagaram North Range falling in Chityal RF. The forest area required is as follows.

Sl. No	Range	Name of the R.F	Comp.No's involved	Length of road (m)	Width of road (m)	Total Forest area required for diversion
1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha

- This project is entirely falling in Eturnagaram Wildlife Sanctuary, which was declared as a Wildlife Sanctuary under “*In exercise of the powers conferred by Section 26-A of Wildlife (Protection) Act, 1972 (Central Act No.53 of 1972) and published in gazette of Andhra Pradesh vide Go.Ms.No.345, Dt. 17<sup>th</sup> August 1999. The Governor of Andhra Pradesh here by declares the area specified in the Schedule to be a Wildlife Sanctuary which shall be called “The Eturnagaram Wildlife Sanctuary”.*
- It is a corridor for Tiger movement and there are recent evidences of Tiger Movement. The forest is having lot of wildlife which includes Spotted deer (*Axis axis*), Jackal (*Canis aureus*), Sloth bear (*Melursus ursinus*), Neelagai (*Boselaphus tragocamelus*), Porcupine (*Hystrix indica*), Python (*Python molurus*), Wild Dogs (*Cuon alpines*), Wild Boar (*Sus scrofa*), Chowsinga (*Tetracerus quadricornis*), Indian Gaurs (*Bos gaurus*) etc., and hence it is very important wildlife habitat.
- There are no protected Archaeological/ Heritage site/Defence establishment or any other important monument located in the forest area. However, there are many wood fossils available in the area. The proposed area for diversion is highly vulnerable to soil erosion due to the project.
- The Availability of Right of Way in each of the RFs as per the Gazette Notification of the respective RFs is as shown in the map and the following table:

Sl No	Range	RF	Segment in map	Beat	Length in Mtr	Right of Way
1	2	3	4	5	6	8
1	Eturnagaram North	Chityal	A-B	Bhupathipur (S)	1639	Yes (Cart track from Kannaiguda to Ghanpur passing through Bhupathipur as per Block Map)
2	Eturnagaram North	Chityal	B-C	Bhupathipur (S)	2097	No Row
				<b>Total:</b>	<b>3736</b>	

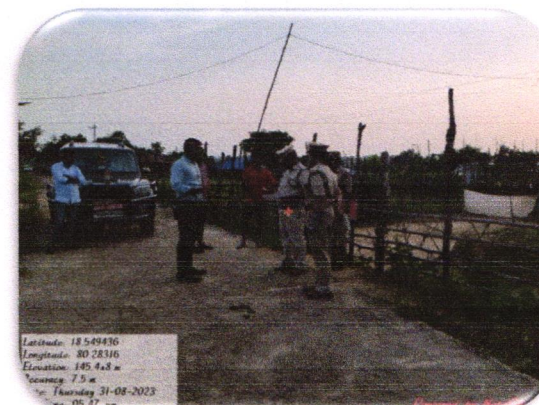
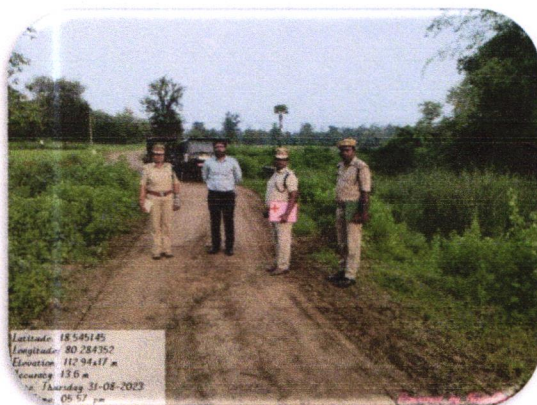
### Proposed diversion of Forest Land from Chityal to Bhupathipur Road



- Thus total length with available Right of Way is for 1639 meters and there is No Right of Way for 2097 meters. However, the width of RoW is not mentioned in the Gazette Notification.
- The type of Forests as per Champion and Seth is Southern Tropical Dry Deciduous Forests. The canopy density of the vegetation is 0.4 to 0.7.
- In the segment mentioned as A-B in map and table above, there is already BT road present in the proposed area. The width of BT road present is 3.6 meters with length 1639 meters in existing proposal. The User Agency informed that the road was formed long back and they do not have any records to show the year of the BT road formation. Since BT road is formed, it is a violation of the Forest Conservation Act, 1980.
- The species commonly found are *Terminelia tomentosa* (Nallamaddi), *Tectona grandis* (Teak), *Butea monosperma* (Moduga), *Boswellia serrata* (Anduga) *Terminalia arjuna* (Yerumaddi), *Acacia arabica* (Tumma), *Holoptelia integrifolia* (Nemalinara),

*Terminelia bellerica* (Thani), *Xylocarpa xylocarpa* (Tangedi) *Cassia fistula* (Rela), *Cleistanthus collinus* (Nallakodisha), *Buchanania lonzan* (Morri), *Semecarpus anacardium* (Jeedi), *Terminelia chebula* (Gotti), *Bombax ceiba* (Burugu), *Bambusa arundinacea* (Bamboo) and *Madhuca indica* (Eppa).

- During the field inspection, it is noticed that, the alignment of road proposed for diversion is passing along the existing BT road and passing through the Compt. No. 27 and 39a of Chityal, Reserve Forests.



- The required Forest Land is barest minimum and is un avoidable.
- Since after formation of the road, there will be increase in speed of vehicles and also traffic and hence there is need for (6) No's of Animal passages of width minimum of 30.00 M length and 3.00M height as per the specific guidelines, designs and norms for construction of under passage as specified by the MoEF&CC and WII shall be formed by the UA (**details mentioned below**). The chain link fencing shall be placed on either side of the passages on both sides of road to a

length of 100mts in a funnel model for diverting the wildlife towards animal passages. These (6) No's Animal passages for crossing of wildlife safely should be done by the user agency.

Sl. No	Name of the Road	Compt. No.	Lat	Long	Structure	Dimensions
1	Chityal to Bhupathipur Road	27	18.541747	80.288092	Underpass	Height - 3m Length - 30 m Width - 5 m
2	Chityal to Bhupathipur Road	27	18.53866	80.292111	Underpass	Height - 3m Length - 30 m Width - 5 m
3	Chityal to Bhupathipur Road	27	18.535983	80.295976	Underpass	Height - 3m Length - 30 m Width - 5 m
4	Chityal to Bhupathipur Road	39 a	18.531273	80.294598	Underpass	Height - 3m Length - 30 m Width - 5 m
5	Chityal to Bhupathipur Road	39 a	18.525551	80.295309	Underpass	Height - 3m Length - 30 m Width - 5 m
6	Chityal to Bhupathipur Road	39 a	18.520006	80.295847	Underpass	Height - 3m Length - 30 m Width - 5 m

Dt.31.08.2023  
Place: Mulugu

  
District Forest Officer,  
Mulug Districts  


C-Bhupathipur

o/c

Government of Telangana  
Roads & Buildings Department

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

To:  
The District Forest Officer,  
Mahabubabad

Lr.No Forest land/EE R&B BHPL MLG /2022-23 Dt: 13 .04.2023

Sir,

Sub: District (R&B) Officer, JS Bhupalapally, Mulugu - TSFD- F ( C ) Act, 1980 -  
Diversion of 1.866 Ha Forest land for Construction of BT road from Chityal  
to Bhupathipuram from Km 0/0 to 5/0 in Chityal, R/f in WLM Etunagaram  
Forest Division in Mulugu District in favour of District (R&B) Officer, Mulugu  
- Additional information sought for by IRO, Hyd- Reg.

Ref: 1)The Prl. Chief Conservator of Forests (HoFF) , TS, Hyderabad Rc No  
FC2/FC09/28/2022 (18040/2019/FCA-2) Dt:11.10.2022  
2)AIGF ( C), GoI MoEF & CC IRO, Hyd F.No.4-TSB268/2022-HYD/732  
Dt:29.09.2022

OoOoOo

Adverting to the subject cited above, the Prl. Chief Conservator of Forests (HoFF) ,  
TS, Hyderabad vide reference 1<sup>st</sup> cited has issued instructions to the District Forest  
Officer, Mahabubabad to submit information / details on

Point No.6 i.e., As per topo map, identified Non-Forest area for CA is overlapping  
with Jally III RF . State Government may re-verify and inform the whether the NFL  
identified ia a non-forest land or it has some overlapping with the RF area and mutation  
certificate in respect of NFL shall be furnished.

Point no.7 i.e., DFL map duly signed by the DFO along with Kml file in soft copy be  
submitted

Point no.8 i.e., Some of the components like vehicle procurement and engagement  
of computer operator have been proposed in the CA Scheme which is not consonance with  
the provisions of CAF Act Rules.

Hence, it is requested the District Forest Officer, Mahabubabad to submit the  
information as mentioned above to the Prl. Chief Conservator of Forests (HoFF) , TS,  
Hyderabad along with a copy to this office.

Encl: references cited

Yours faithfully,

*Kind file to change*

*[Signature]*  
13/4/23  
District R&B Officer  
(Executive Engineer)  
JS Bhupalapally, Mulugu

*Cross Section*

*[Signature]*  
13/4/23

*[Signature]*  
21/4/23



GOVERNMENT OF TELANGANA  
ROADS AND BUILDINGS DEPARTMENT

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

To  
The District Forest Officer  
Mulugu District

Letter No. DB/ATO/EE/R&B/Mlg /P-A road/ 2022-23/

Dated:10-01-2023

Sir,

Sub:-Dist. R&B Office Mulugu- Diversion of 1.866 Ha of Forest land of Mulugu district for construction of B.T. road from Chityala to Bhupathipuram from Km 0/0 to 5/0 in Chityala RF in VWLM Eturnagaram Division of Mulugu district in favour of District R&B Officer, Mulugu District – EDS raised by IRO- submission of replies-reg.

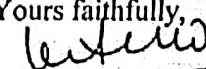
Ref : -1. PCCF, Telangana, Hyderabad, RC No. FC2/FC09/28/2022 (18040/2019/FCA-2), Dt 11-10-2022  
2. Gol, MoEF&CC, IRO, Hyd., Lr.No. 4-TSB268/2022-CHN/789, dt:29-09-2022  
3. DEE, R&B, Mulugu, Lr No. DEE/R&B/Mlg/Chityal/Frst/2021, Dt. 10.01.2023

\* \* \*

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 EDS raised by the IRO Hyderabad. Accordingly I submit herewith the replies point-wise as under.

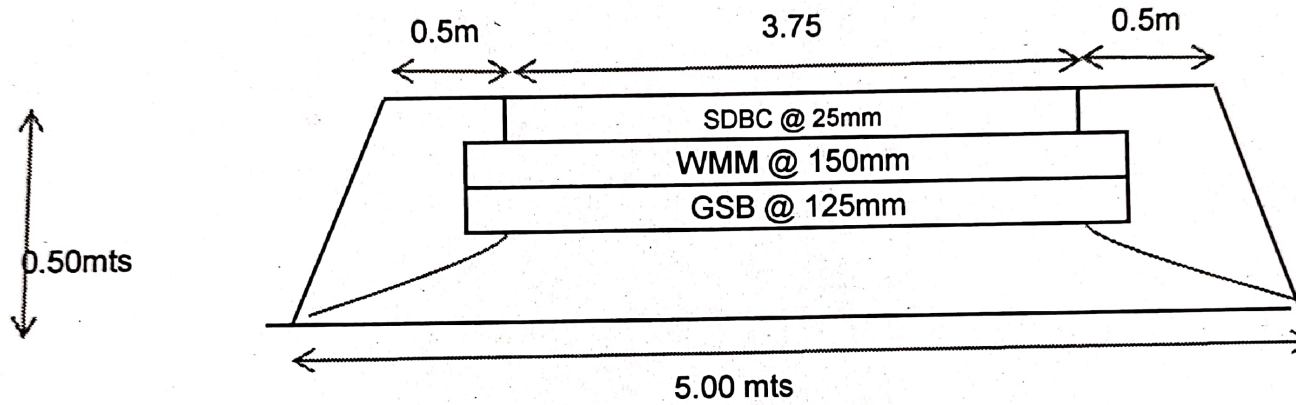
1. Design / Cross-Section of the road is herewith furnished
2. To be attended by the District Forest Officer, Mulugu
3. To be attended by the District Forest Officer after approval of the NBWL.
4. DGPS map and complete .KML file uploaded in Parivesh portal
5. Existing road is a old cart track. The legal status of the road to be clarified by the District Forest Officer, Mulugu
6. CA land identified in Mahabubabad District. Hence the point is to be clarified by the District Forest Officer, Mahabubabad.
7. To be clarified by the District Forest Officer, Mahabubabad.
8. To be clarified by the District Forest Officer, Mahabubabad.
9. To be attended by the District Forest Officer, Mulugu
10. To be attended by the District Forest Officer, Mulugu

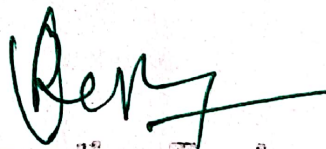
Therefore I request the District Forest Officer, Mulugu to submit the compliance as called by the PCCF Telangana vide ref. 1<sup>st</sup> cited at the earliest for further process of the above diversion proposal.

Yours faithfully,  
  
District R&B Officer,  
(Executive Engineer) 10/1/23  
JS Bhupalapally, Mulugu

1. Copy to District Forest Officer, Mahabubabad and requested to submit the compliance as called by the PCCF Telangana vide ref. 1<sup>st</sup> cited for the points concerned to your selves.

Name of Work: Construction of BT Road from Chityal to Bhupatipur from Km 0/0 to 5/0 in Mulugu District



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

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



Fairly dense mixed jungle  
389

MARKODE RF

MAR 8

MAR 31

MAR 29

KINNERASANI

Rangapuram

MAR 30

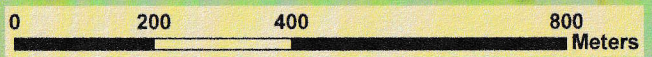


*Prof. Bhadrani Kothagudem.*  
DFO, Bhadrani Kothagudem.

MAR 28

376

Sno	District	Name of the Road Proposal	Apportionment Area_Ha
1	Mulugu	Edhira to Kothapally	3.1430
2	Mulugu	Chityal to Bhupatipuram	1.8660
3	Mulugu	Cherukuru to Peruru	2.2880
4	Mulugu	Patha Alubaka to Seethampuram	2.2293
5		Balance	1.1964
<b>Total</b>			<b>10.7227</b>



**Legend**

Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)

Tagged to nearest SOI GCP

17°55'30"N

17°55'0"N

17°55'30"N

17°55'0"N

80°36'30"E

80°37'0"E

80°37'30"E

80°38'0"E

80°36'30"E

80°37'0"E

80°37'30"E

80°38'0"E

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

Fairly dense mixed jungle  
389



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) EXECUTIVE ENGINEER  
Sub-Division-YELLANDU (R&B) Spl. Division, KOTHAGUDEM

**Legend**

- DGPS Surveyed Points
- Area Proposed for CA Land



Geographic Coordinate System - WGS84 Datum (UTM 44N)

Not tagged to SOI GCP

525-

17°55'0"N

17°55'0"N

80°37'0"E

80°38'0"E

80°37'0"E

80°38'0"E

351

GOVERNMENT OF TELANGANA  
REVENUE DEPARTMENT.

OFFICE OF THE TAHSILDAR: ALLAPALLI.


Rc.No.B/191/2020.

Dt.23.12.2020.

**CERTIFICATION OF MUTATION**

1. This is certified that an extent of Ac.283.82 gts in Sy.No.28 situated at Rangapuram, Ulvachelka and Busurai enclosures in Markode Reserve forest of Ulvachelka Revenue Village of Allapally Mandal is Government land and free from all encumbrances and encroachments has been transferred and mutated in favour of the Telangana Forest Department represented by the Forest Range Officer, Regalla for Compensatory afforestation in lieu of Reserve Forest land proposed for diversion under Forest (Conservation) Act, 1980 to improve the road connectivity of the following roads proposed by the R & B Department, i.e, (1) Road from Veerapuram to Gundala (38.55 Ha), (2) Gundala to Parsa (Up to Dubbathanda - 9.02 Ha.), (3) Mamakannu to Battupally (39.153 Ha), (4) Tekulapally to Gundala (24.74 Ha) and (5) Peddamidisileru to Bhatinapally (16.56 Ha).



  
Tahsildar, Allapally,  
Bhadrachalam District.  
BHADRACHALAM DISTRICT

353

GOVERNMENT OF TELANGANA  
REVENUE DEPARTMENT,

OFFICE OF THE TAHSILDAR: ALLAPALLI.

Rc.No.B/191/2020

Dt.23.12.2020.

**CERTIFICATION OF NON-ENCUMBRANCE**

1. This is certified that an extent of Ac.283.82 gts in Sy.No.28 situated at Rangapuram, Ulvachelka and Busurai enclosures in Markode Reserve forest of Ulvachelka Revenue Village of Allapally Mandal is Government land and free from all encumbrances and encroachments proposed for transfer to the Forest Department for Compensatory afforestation in lieu of Reserve Forest land proposed for diversion under Forest (Conservation) Act, 1980 to improve the road connectivity of the following roads proposed by the R & B Department, i.e, (1) Road from Veerapuram to Gundala (38.55 Ha), (2) Gundala to Parsa (up to Dubbathanda - 9.02 Ha.), (3) Mamakannu to Battupally (39.153 Ha), (4) Tekulapally to Gundala (24.74 Ha) and (5) Peddamidisileru to Bhatinapally (16.56 Ha).
2. This area has not been proposed for any other assignment/ pattas or alternate use by the Government.
3. Certified that the above Government land has not been proposed earlier to the Forest Department for afforestation.



  
Tahsildar, Allapally,  
ALLAPALLY MANDAL,  
Bhadrachalam District,  
BHADRACHALAM DIST.


355

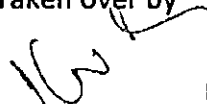
## HANDING OVER OF GOVERNMENT NON-FOREST LAND TO THE FOREST DEPARTMENT FOR COMPENSATORY AFFORESTATION FOR THE FOREST DEPARTMENT

The Government Non-forest land measuring Ac.283.82 gts. as detailed here under situated in Ulvachelka Revenue Village of Allapally Mandal has been inspected jointly with the Forest Range Officer, Regalla.

Sl.No.	Mandal	Revenue Village	Sy.No.	Extent	Remarks
				Ac.gts. or Ha.	
1	Allapally	Ulvachelka	28	283.82	Ulvachelka, Busurai and Part of Rangapuram enclosure

There are no encroachments or any obstructions are appeared. The boundaries have been fixed and peg marked. This possession of the above land has been handed over to Forest Range Officer, Regalla, Kinnerasani WLM Division, Palvancha on 23.12.2020 towards Compensatory Afforestation in lieu of Reserve Forest land proposed for diversion under Forest (Conservation) Act, 1980 to improve the road connectivity of the following roads proposed by the R & B Department, i.e, (1) Road from Veerapuram to Gundala (38.55 Ha), (2) Gundala to Parsa (Up to Dubbathanda - 9.02 Ha.), (3) Mamakannu to Battupally (39.153 Ha), (4) Tekulapally to Gundala (24.74 Ha) and (5) Peddamidisileru to Bhatinapally (16.56 Ha), total 128.023 Ha. as per the proceedings of the District Collector, Bhadradi Kothagudem, vide Rc.No. E1/3171/2020, Dt.19.09.2020.

Handed over by  
  
 Tahsildar, Allapally,  
**ALLAPALLY MANDAL**  
 Bhadradi Kothagudem District.  
GOVERNMENT AFForestation DISTRICT

Taken over by  
  
 Forest Range Officer, Regalla,  
 Kinnerasani WLM Division,  
 Palvancha.

23/12/20

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

Rc. No. 719/2020/D1,  
Dated: 10.08.2023.

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.

\*\*\*\*\*

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
<b>Total:</b>		<b>11.248</b>	<b>9.5263</b>

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.

## File No.PCCF-FC2/FC09/20/2022-FCA SECTION

231

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

## File No.PCCF-FC2/FC09/20/2022-FCA SECTION

232

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

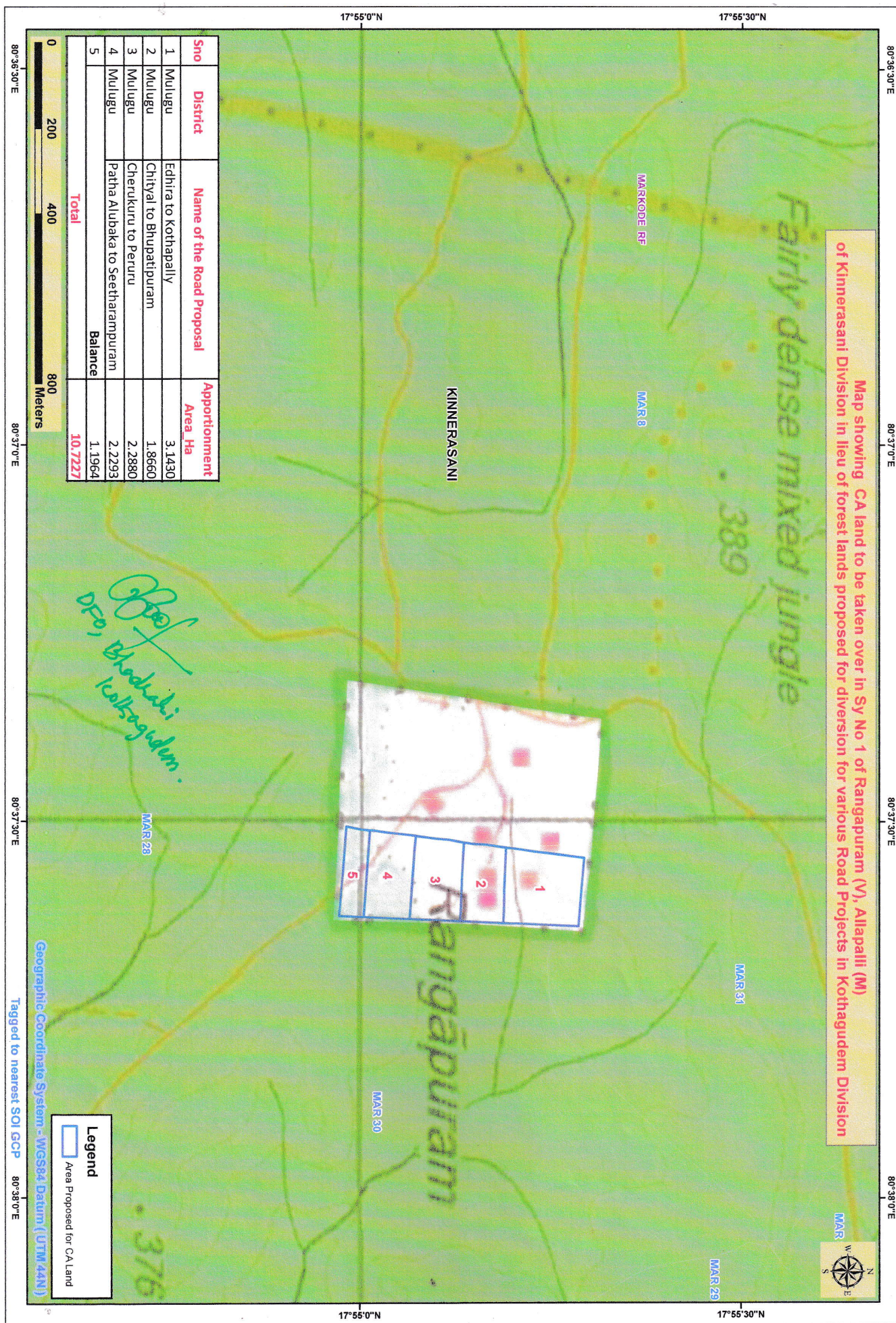
Prl. Chief Conservator of Forests  
& HoFF

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.



**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.

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Immediate attention is invited to the references cited.

The CA scheme proposal as prepared and submitted by the District Forest Officer,  
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 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>			
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2	Mini percolation tanks (Restricted to 2 Nos)	3.63	1.83
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<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

File No.PCCF-FC2/FC09/20/2022-FCA SECTION

2023/FCA SECTION-PCCF

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		
	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

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.

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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, GoI 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, GoI, 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, Palvancha 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, Palvancha 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.



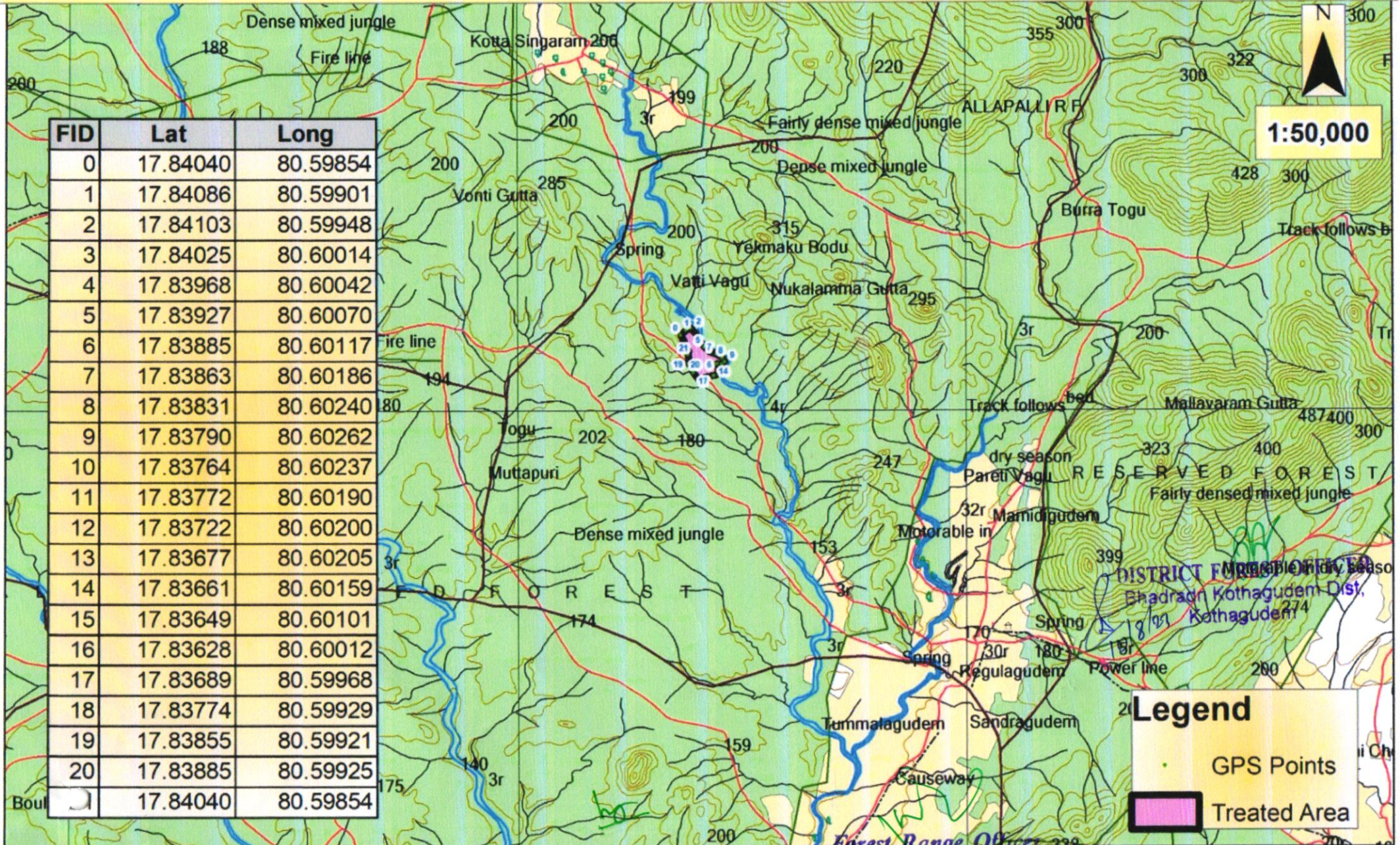
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Palvancha.

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





**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

Forest Range Officer  
W.L.M. ALLAPALLY

**Legend**

- GPS Points
- Treated Area



**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.**

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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



1:10,000

*[Signature]*  
 DISTRICT FOREST OFFICER  
 Bhadrachal Kothagudem Dist,  
 Kothagudem  
 10/8/25

*[Signature]*

Forest Divisional Officer  
 Wildlife Management Division, Kinnerasani

*[Signature]*

Forest Range Officer  
 W.L.M. ALLAPALLY

**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 <span style="color: green;">CH</span>
(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





**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	<b>PRIMARY BEDS</b> 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 bradcasted - 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
	<b>Total</b>					<b>789.62</b>
	<b>Rasing of seedlings 110% for abtaining 100%</b>				10%	<b>78.96</b>
	<b>Total</b>					<b>868.58</b>
	<b>cost of each plant (2000 plants per bed) - 2023-24</b>					<b>0.4343</b>

10% escalation every year

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

*Forest Divisional Officer*  
Wildlife Management Division, Kinnerasani

**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: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250</b>									
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
2	01.03.03	Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of 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 transplantation 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	01.03.15	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

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

*W*  
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

*h*  
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: Red Soil, tank-silt / clay 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.</b>									
01.03.21	Transportation of soil mixture ingredients								
	Distance up to 5 km								
1	e	(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
01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance								
2	e	(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
01.03.24	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)								
3	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
4	01.03.23	Cost of Chemical component							40.00
	01.03.30	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							
4		Weeding the plants (2 weedings)	Bed	2	68.33	1	17.08	85.41	170.83
5	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									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)		
	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" X9" 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 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.	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)	
<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	1044.80
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	72.54	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	542.35
<b>Total</b>								<b>1949.85</b>
cost of each plant (1100 Plants per bed)								1.7726

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	Quantity	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 excuded 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 retrived 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 uprootal 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

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*Forest Range Officer*  
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**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. FOR TILLED AREA ONLY							
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 caualty 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

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**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 - <b>a) 45 cm size cubic pits</b>	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>b) upto 5 Km lead (15X30 cm (6"X12")bag plants)</b>	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>b) beyond 5 km and upto 25 Km lead (15X30 cm (6"X12")bag plants)</b>	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>b) 15X30 cm (6"X12")bag plants</b>	No's	278	194.46	48.62	243.08	100	675
02.09.12	<b>Planting in 45 cm size cubic pit Pit</b>	No's	278	516.09	129.02	645.11	100	1792
02.09.14	<b>Watering (one time)</b> 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	<b>WEEDING &amp; SOIL WORKING</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
02.10.03	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 sciculture 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 person per month	1	10846.93	0.00	10846.93	Ha	6508
	<b>Unit Rate for 2023 - 24</b> 10% escalation every year							<b>44958</b>

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**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							<b>32304</b>

  
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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 sciculture 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
<b>Unit Rate for 2023 - 24</b>								<b>18550</b>

10% escalation every year

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**Unit Cost for 4th 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	
01.11.04 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
<b>Unit Rate for 2023 - 24</b>							<b>15296</b>

10% escalation every year

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

Item of work	Unit	Quantity	Unit Rate per Ha				Amount (Rs.)
			As per FSR				
			Rate (Rs.)	Agency allowance 25% (Rs)	Total (Rs.)	Per	
03.11.04 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>							13260
10% escalation every year							

  
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**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 allowance 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							

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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	
03.04 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

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**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 Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	No's	1111	146.59	36.6475	183.24	100	2036
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

  
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**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

  
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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 sciculture 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								

  
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