

GOVERNMENT OF TELANGANA  
ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR.I) DEPARTMENT

Letter No.77/For.I(1)/2022

Dated:25.08.2023.

From  
The Additional Secretary to Government,  
EFS&T(Forest) Department,  
Telangana State Secretariat,  
Hyderabad.

To  
The Inspector General of Forests(C),  
Suboffice, MoEF&CC, Hyderabad,  
Regional Office, Chennai,  
6<sup>th</sup> Floor, Aranya bhavan, Hyderabad.(w.e.)

Sir,

Sub:- EFS&T Department – F(C) Act, 1980 – Diversion of **2.1948 ha** of FL in Asifabad District for formation of BT road from Kammargaon to Nandigaon from Km 0/0 to 3/998 of Bejjur and Bejjur Ext-III RF in favour of Dist R&B Officer, Komarambheem - EDS raised - **Furnishing of Additional information** - Regarding.

- Ref:1.From the PCCF(HoFF), TS, Hyd, Ref.No.15700/2020-FCA-2,  
Dated:05.01.2022.  
2. Govt Lr.No.77/For.I(1)/2022, dt:12.01.2022.  
3.From the Deputy Inspector General of Forests (Central), GoI,  
MoEF&CC, IRO, Hyderabad, F.No.4-TSB279/2022-HYD/611,  
dt.28.07.2022.  
4.Govt.Memo.No.77/For.I(1)/2022, Dt:17.08.2022.  
5. From the PCCF(HoFF), T.S., Hyd., Rc.No.FC1/FC03/101/2022  
(15700/2020),Dt:10.08.2023.

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I am to forward the additional information in respect of the proposal for diversion of **2.1948 ha** of FL in Asifabad District for formation of BT road from Kammargaon to Nandigaon from Km 0/0 to 3/998 of Bejjur and Bejjur Ext-III RF in favour of Dist R&B Officer, Komarambheem, as reported by the Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad in the letter 5<sup>th</sup> cited (copy enclosed) for taking further necessary action in the matter.

Yours faithfully

  
for Additional Secretary to Government

**Copy to:**

The Principal Chief Conservator of Forests (HoFF),  
Telangana State, Hyderabad.  
The Regional Office(SEZ),  
Ministry of Environment Forest and Climate Change,  
1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council,  
34, Cathedral Garden Road,  
Nungambakkam, Chennai -34

✓ Sc.

I/170553/2023

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From  
Sri R M Dobriyal, IFS,  
Pr. Chief Conservator of Forests & Head of Forest  
Force  
Aranya Bhavan,  
HYDERABAD (TS) 500 004.

To  
The Special Chief Secretary to  
Government,  
Forests Department,  
Government of Telangana,  
Hyderabad (TS), 500004.

**Rc.No.FC1/FC03/101/2022 (15700/2020), Dated. 10/08/2023.**

Madam,

**Sub:** TSFD - Forest (C) Act, 1980 - diversion of 2.1948 Ha of FL in Asifabad District for formation of BT road from Kammargaon to Nandigaon from Km 0/0 to 3/998 Bejjur and Bejjur Ext-III RF in favour of Dist R&B Officer, Komarambheem - Additional Information sought for by IRO, Hyd - Information called for -Reg.-Reg.

**Ref :**

1. CCF, Adilabad Ref.No.1999/2020-M6(i), dt.20.09.2021..
2. PCCF's Rc.No.15700/2020-FCA-2, dt. 05.01.222
3. Govt. Lr.No.77/For.I(1)/2022, EFS&T (FoR.I) Dept, dt. 12.01.2022.
4. DIGF (C), Gol MoEF&CC IRO, Hyd F.No. 4-TSB279/2022-HYD/611, dt. 28.07.2022.
5. PCCF's Rc.No.FC1/FC03/101/2022, dt. 03.08.2022.
6. PCCF's Rc.No.FC1/FC03/33/2023, dt. 22.05.2023 (for VC meeting on 23.05.2023.)
7. DFO, KA Asifabad Lr.No.107/2021/S4, dt.05.07.2023.

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Kind attention of the Govt. is invited to the references cited above.

Vide reference 7<sup>th</sup> cited, the District Forest Officer., Asifabad has submitted replies to the EDS raised by the IRO, MoEF&CC, Gol, Hyderabad vide ref 4<sup>th</sup> cited. Point-wise replies to the EDS is as follows:

Sl. No	EDS raised	Replies
A	SC NBWL approval	<b>Approved in NBWL on 29.12.2022</b>
B	Correct kml file and CA scheme specific to the current proposal may be uploaded	Replies furnished hereunder
C	MAP AND DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be submitted.	
D	Forest Divisional Officer reported in the SIR that the present road existing with width of 5.5 M which is metal road. Hence, legal status of the existing road needs to be submitted by the State Govt.	The District Forest Officer vide ref 2 <sup>nd</sup> cited has informed that as per the Gazettee notification of Bejjur Ext-III RF notified U/s-15 vide GO MS No 280, F&RD (For.III) Dt. 19.06.1982 " A cart track Kammargaon to Nandigaon is admitted as RoW for a width of 10 feet for carts, men and cattle."

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		<p>The cart track exists before 1980 on SOI shee (Sheet No 56M16) which was published in the year 1982 and Surveyed in the year 1979-80 (from Nandigaon to Kammargaon).</p> <p>Further, it has been reported that during filed inspection of the District Forest Officer on 06.05.2023, it was found that there is an existing old gravel road which connects from Kammargaon village to Nandigaon village of Kagazangar Division, the gravel road was laid by the Panchayati Raj Dep, Penchikalpet during 2015 to 2016 under PMGSY scheme which is in violation of FCA and without obtaining prior permission from the competent authority.</p> <p>Length of road violated – 1.1 Km with a width of 3.75 Km – violated area is 0.4125 Ha.</p> <p>For which POR is said to be registered on 06.05.2023 vide POR No 1254/130 against AEE Panchayati Raj Dept Penchikalpet.</p>
E	SIR and Part-II filled by the DFO concerned may be uploaded in place of report of the FDO	Revised Site Inspection Report of the District Forest Officer is enclosed.
F	Component wise break-up cross section	<b>Enclosed</b>
G	Either side of the proposed road. Agriculture fields are seen. Hence, the legal status of the proposed area for diversion indicating any encroachment / RoFR holdings may be furnished	The District Forest Officer has informed that either side of the road, agriculture fields are along the alignment of the proposal which are old encroachments. But these agriculture fields are not falling in the proposed diversion area.
H	Status of villages notified revenue village / Forest Village / encroachment may be intimated with supporting documents	Kammaragaon and Nandigaon village are not notified revenue villages as per the list obtained from the O/o District Collector, Asifabad.

**Replies for point B & C:**

The District Collector, KB Asifabad vide Ref E2/1278/202, dt.25.02.2021 cited has allotted revenue (Non-forest) land to an extent of 81.4311 Ha in Sy.No.322 of Pangidi madhara Village of Tiryani Mandal of Asifabad Division is being proposed for utilization for diversion of forest land proposed by R&B Department for LWE Projects. Accordingly, a total of 43.4570 Ha was utilized for 15 projects.

As the case is such, while examining the status of this land in the field, the DFO., Asifabad has informed that at many locations there are encroachments and other field problems. Accordingly, instructions were issued to the CCF & FDPT, KTR, Nirmal vide this office ref dt.20.05.2023 to inspect the subject land and report about the suitability to consider for CA.

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The CCF & FDPT, KTR vide ref dt.03.06.2023 has submitted a report and informed that keeping the field situation and encroachments, the final recommended area which can be taken over by Forest Department as CA is to an extent of 45.00 ha only in two patches (35.20 Ha Patch-1 & 9.80 Ha Patch-2).

The R&B Dept has conducted DGPS survey of the above two patches duly excluding the encroachments and the data was submitted to this office vide Ir.dt.21.06.2023. The NFL proposed to be handed over to the Forest Department, which is free from encroachments and other field problems, is ascertained to 44.5 ha in two patches (34.3665 ha + 10.1221 Ha) and it is falling in Eco-Sensitive Zone of Kawal Tiger Reserve. The said NFL is proposed to be utilized for the following roads pertaining to R&B Dept.

Sl.	District	Name of the Proposals	NFL Area apportioned
1	Asifabad	BT Road from Karjji to Loha <b>NBWL approved</b>	2.4746
2	Asifabad	BT Road from Kereguda to Dampur	4.1077
3	Asifabad	BT Road from Kammergaon to Nandigaon <b>NBWL approved (Present file)</b>	2.1948
4	Asifabad	BT Road from Vanjariguda to Geethabanda. <b>Stage-I - 16.09.2022 - Subject to NBWL approval.</b>	1.018
5	Asifabad	BT Road from Sirpur(U) to Devudpally <b>Stage-I - 28.11.2022 - Subject to NBWL approval</b>	0.327
6	Asifabad	BT Road from Govena to Jamuldhara	3.412
7	Asifabad	BT Road from Gundala to Mangi	3.9
8	Asifabad	BT Road from Movad to Chorpalli	5.139
9	Asifabad	Sirpur to Methandani	8.6142
10	Asifabad	Dimda to Chittam and two HLB at Km 4/850 and Km 5/340	3.291
11	Asifabad	BT Road from Pangidi to Madhura Thanda	2.983
12	Asifabad	BT Road from Raghavapur to Govena	1.744
13	Asifabad	BT Road from Movad to Koutan Movad	1.419
14	Asifabad	BT Road from Kamana to Sarkepalli	0.521
15	Asifabad	Kazipet to Ballarsha Section	2.3495
		<b>Total</b>	<b>43.4948</b>
		<b>Remaining Balance Area</b>	<b>0.9937</b>

The DFO vide Ir.dt.05.07.2023 has submitted revised CA scheme proposals for NFL for Rs.449.021 Lakhs and for DFL for Rs.356.447 Lakhs, totalling to Rs.805.468 Lakhs, **which has been revised and finally approved for Rs. 702.257 lakhs ( Rs.392.372 lakhs for CA NFL and Rs 309.885 Lakhs for CA DFL).** Location of the NFL and DFL duly signed by the DFO and User Agency is enclosed herewith.. Location of the NFL and DFL duly signed by the DFO and User Agency is enclosed herewith.

Revised CA scheme proposals are also enclosed along with apportioned CA scheme



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proposal. The same is also uploaded online on Ministry's portal.

In view of the above, the above replies alongwith revised Part-II / Site Inspection Report / CA scheme proposals and other documents are enclosed herewith with a request to forward the above replies to the IRO, MoEF&CC, Gol, Hyderabad for according Stage-I approval at the earliest, as the proposal is being regularly monitored by Ministry of Rural Development and Ministry of Home Affairs, Government of India, as the road is proposed under LWE scheme.

Encl.: As above.

Yours faithfully,

Signed by Rakesh Mohan  
Dobriyal  
Date: 10-08-2023 14:07:04  
Reason: Approved

Prl. Chief Conservator of Forests  
& Head of Forest Force

Copy to the Forest Divisional Officer, Asifabad / District Forest Officer, KB Asifabad and Conservator of Forests, KTR, Mancheri for information and necessary action.  
Copy to the District (R&B) Officer, (Executive Engineer), Kumaram Bheem Asifabad District / Chief Engineer, (R&B) LWE, D&P, RSW & RR, Errummanzil, Hyderabad for information. It is requested to submit non-encumbrance certificate obtained from the District Collector, Asifabad for the final area to be allotted as CA land.

Copy to the Collector & District Magistrate, Kumaram Bheem Asifabad District for information and necessary action.

Copy to the Prl. Chief Conservator of Forests (WL) & CWLW, O/o the PCCF (HoFF), TS, Hyderabad for information and necessary action.

GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT

From  
Sri Neeraj Kumar Tibrewal, IFS.,  
District Forest Officer,  
Kumuram Bheem-Asifabad

To  
The Prl. Chief Conservator of Forests,  
& Nodal Officer for FCA,  
Telangana State, Aranya Bhavan,  
HYDERABAD.

**Rc.No.107/2021/S4, Dated: 05.07.2023.**

Sir,

Sub :- TSFD-Forest (C) Act, 1980- Diversion of **2.1948 ha** (revised from **2.9929 Ha**) of Forest land in Kagaznagar Division for formation of BT Road from Kammargaon to Nandigaon from KM 0/0 to 3/998 Bejjur and Bejjur Ext-III RF in favour District (R&B) Officer, Kumuram Bheem- Additional information sought for by IRO, MoEF&CC, GoI, Hyd-  
**Replies to Additional information-Submitted – Reg.**

- Ref:-
- 1) Prl.C.C.F Telangana Hyd.Rc No. 15700/2020/FCA2 (i) dated 15.12.2020.
  - 2) Prl.C.C.F Telangana Hyd.Rc No. 16826/2020- WL-1 dt 31.12.2020.
  - 3) C.F.A.C. Adb Rc. No. 1999/2020-M6, Dt: 05.01.2021.
  - 4) F.D.O., Kaghaznagar Rc. No. 4211/2020-D1, dt. 13.09.2021.
  - 5) Prl.C.C.F Telangana Hyd.Rc No. 15700/2020/FCA-2, Dated: 05.01.2022 ( Submitted to the Govt).
  - 6) DIGF (C), MoEF&CC, GoI, IRO, Hyd F.No.4-TSB279/2022-HYD/611, Dt: 28.07.2022 (EDS).
  - 7) Prl.C.C.F Telangana Hyd.Rc No. FC1/FC03/101/2022, Dated: 03.08.2022 (EDS).
  - 8) D.F.O., KB-Asifabad Rc.No. 107/2021/S4, Dt:18.08.2022 & 04.10.2022.
  - 9) Dist. R&B Officer, KB-Asifabad Rc.No. EE/R&B/KBA/2022-23, Dt: .02.2023.
  - 10) FDO, Kaghaznagar Rc.No.4211/2020/D1, Dt.08.05.2023
  - 11) D.F.O., KB-Asifabad Rc.No. 107/2021/S4, Dt: 09.05.2023.
  - 12) Prl. CCF, TS Hyd Rc.No. FC1/FC03/33/2023,, Dated: 22.05.2023 (for VC meeting on 23.05.2023).
  - 13) FDO, Kaghaznagar, Rc.No.4211/2020/D1, Dt.26.05.2023
  - 14) Prl.C.C.F Telangana Hyd.Rc No. FC1/FC03/101/2022(15700/2020/FCA-2),Dated: 13.06.2023.

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In compliance to the instructions issued in the reference 14<sup>th</sup> cited above, I am submitting herewith, the replies to the Additional information sought for by IRO, Hyd on Diversion of **2.1948 ha** (revised from **2.9929 Ha**) of Forest land in Kagaznagar Division for formation of BT Road from Kammargaon to Nandigaon from KM 0/0 to 3/998 Bejjur and Bejjur Ext-III RF in favour District (R&B) Officer, Kumuram Bheem, for which details are as follows.

Sl No.	EDS raised	Reply
1	SC-NBWL approval	Approved in NBWL on 29.12.2022
2	Correct kml file and CA scheme specific to the current proposals may be uploaded.	It is submitted that, the PCCF vide FC2/FC09/2/2022/15854/2020/FCA-1, dt:-02.07.2023 has communicated the details of 44.4886 Ha of CA Land in Sy.No.322 of Pangidi Madara village of Tirynai Mandal of Asifabad Division of KB-Asifabad and the details of 15 Road projects including this project to which the land was allotted and the User Agency will uploaded the KML file of the same in Parivesh portal.
3	MAP AND DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be uploaded	The Map, DGPS Date and KML File of NFL Land will be uploaded by User Agency.  It is submitted that, the identified NFL land was not suitable for plantation. Hence an area of 45 Ha identified for DFL in Compt.No.55 of Garlapet RF, Itkalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar division for this project. The KML file of the same will be uploaded in the Parivesh portal.  The CA Scheme of the NFL – 45.00 Ha and DFL – 45 Ha is submitted herewith.

2089127/2023/FCA SECTION-PCOF

CA SECTION-ROOF

	<p>It is submitted that, as per Gazette notification of Bejjur Ext-III Reserve Forest notified under section -15 vide G.O Ms No.280, Forest and Rural Development (For.III) Dt: 19.06.1982, "A cart track Kammargaon to Nandigaon is admitted as right of way for a width of 10 feet for carts, men and cattle"</p> <p>The cart track exists before 1980 on SOI Sheet (sheet No: 56M16) which was published in the year 1982 and surveyed in the year 1979-80. (from Nandigaom to Kammargaom).</p> <p>During the field inspection on 06.05.2023, it was found that there is an exists old gravel road which is connects from Kammargaom village to Nandigaom village of Penchikalpet Range of Kaghnaznagar Division the gravel road was laid by Panchyath Raj department, Penchikalpet during the year 2015 to 2016 under PMGSY scheme which is violated the provisions of Forest (Conservation) Act, 1980 by carried out the gravel road work in the Forest area during the year 2015 to 2016 without obtaining the prior permission from the competent authority.</p> <p>In this regard, a case was registered by Sri G. Jagan Mohan Goud, Forest Section Officer, Kammargaom vide POR No. 1254/130 dated 06.05.2023 against the Assistant Executive Engineer PR Department Penchikalpet. The penalties for the offence details are as follows.</p> <table><tr><th>Length &amp; Width of Road Violated (m)</th><th>Violated Forest area (Ha)</th><th>Volume of work (Cmt)</th><th>Value of work (Rs)</th></tr><tr><td>1100 with width of 3.75 m</td><td>0.4125</td><td>412.5</td><td>4,20,750=00</td></tr></table>	Length & Width of Road Violated (m)	Violated Forest area (Ha)	Volume of work (Cmt)	Value of work (Rs)	1100 with width of 3.75 m	0.4125	412.5	4,20,750=00	
Length & Width of Road Violated (m)	Violated Forest area (Ha)	Volume of work (Cmt)	Value of work (Rs)							
1100 with width of 3.75 m	0.4125	412.5	4,20,750=00							
5	Site inspection report and Part- II filled by the DFO concerned may be uploaded in place of the reports of FDO.	The Site inspection report and Part- II by the District Forest Officer, Kumuram Bheem-Asifabad is submitted herewith.								
6	Component wise breakup of cross section	Enclosed, which is submitted by user agency.								
7	Either side of the road. Agriculture fields are seen. Hence legal status of the proposed for diversion indicating any encroachments/ RoFR holdings may be furnished.	It is submitted that; either side of the road the existing agriculture fields are along the alignment of the proposals are old encroachments. But these agriculture fields are not falling in the proposed for diversion.								
8	Status of villages (Kammargaon and Nandigaon) notified Revenue villages/ Forest villages/ encroachments may be intimated along with supporting documents.	Kammargaon and Nandigaon villages are Forest villages as per Gazette Notification <b>Bejjur RF</b> : Notified U/s-15 vide Notification No. 50, Dt: 20.12.1353F. The same is enclosed herewith.								

This is submitted for favour of kind information.

Yours faithfully

District Forest Officer  
KB-Asifabad

Copy submitted to the Chief Conservator of Forests & Field Director Project Tiger, KTR Circle Mancherla for favour of kind information.

District Forest Officer  
KB-Asifabad



Bejjur F-B

RESERVATION BLOCK BEJJUR  
(Notification under section 18)

Dated: 20.12.1353 F.

Gazette No. 50.

In exercise of the powers conferred by section No. 18 of the Forest Act. No. 1 of 132 F. The Government are pleased to declare that the following lands falling within the boundaries as described here include shall continue as Reserved Forest Block here in after be called "Reserved Forest Block Bejjur" Tal. Sirpur, Adilabad District from the date of Publication of this notification in the Official Gazette.

The Forest Block includes the villages, Bejjur, Marthadi, Murliguda, Nandigaon, Kanaergaon, Gundaipalli, Vaipalli, Hatti Gubbi, Talai, Siddapur and Kalanpalli, Papanpet, Agarguda, Koichichal, Vallur, Loadpalli, Bilma, Kondaipalli Bilmagta, Tal. Sirpur, District Adilabad constituting a total Area 477 2 Acres 10 Guntas and it has been notified under section 7, Official Gazette No. 23, Dated 25th Aurdibahisht 1349 F. and it has been published in vernacular Language in the concerned villages, in this reserved Forest there are two enclosures shown in the sanctioned map section 17 which will continue as usual.

BOUNDARIES

NORTH:- The line of Reserved Forest starts from corner North and West direction where the line of Reserved Kadamba meets. The line runs through Cart track from Kondaipalli to Rebbani crosses, where point 'A'. From there the line runs towards North-East from <sup>where</sup> the passing through Southern boundary the S.No. of village Rebbani (74, 55-77) reaches with the Cart track Rebbani to Cat-surangapalli. From there the line runs towards East passing by through the Southern boundaries of Survey Numbers 25, 24, 475, 20, 19, 1, 278 crosses the Cart track Kondapalli to Magrai, Kuntalmanepalli reach



-: 2 :-

upto the East corner of Last S.No. as mentioned above.

From there, the line runs towards South-East and North-East S.No.9 by the side West and South of Tank upto Cart track

Oat-surangpalli to Salgupalli. From there it proceeds to

South East upto Cart track and corner of North-Western of Survey Nos. 278, 20, 207 and 273. From there the line

runs towards South with a little zig-zag upto Bangle NALA.

From there towards North-East upto boundary of Mathidi and

from there the line proceeds towards North and East from village Mathedi, passing through Northern boundary S.Nos. (1922)

included in R.F. upto boundary of Siddapur Kalan. From

there the line, entering into (4) Acres 22 Guntas S.No.23

in the Reserved Forest and passing through the Southern

boundaries of S.Nos. 27, 40 proceeds to the boundary of

Bijjur from the West of S.No.39. From there the line runs

towards South and East crossing the NALA Mandi-bending

towards South-East, upto Shak NALA Mundi. from there the

line passes through South NALA crossing Cart track Bijjur

to Yallur separating the NALA proceeds towards Northern

East with zig-zag crossing over Southern boundary of

S.No.7 2 & again crossing two Cart tracks towards North-

East, the line proceeds upto Mundi VAGU. From there

making the said Vagu as a natural boundary the line

proceeds to boundary Gabbai. From there the line reaches

in boundary Gubbai making the river natural boundary upto

(20) Chains. From there the line proceeds towards South

to the West direction of S.No.(2) and to West of 8 No. 2 and

to the West and South of S.No.49 & reaches to the boundary

of papenpet through the West of Nos. 52 - 144). From there

the line runs towards South and No.(119) and crossing the

two Cart tracks to the corner of Northern West. From there

to the West and South of above S.No. and from the South of

S.Nos. (39, 40, 41) to the boundary of Talai from there the







Q1	2	3	4	5	6	7	8	9	10	11	12	13	14
1813500 T90 Sisphur	2000-00	1131-4	18-14	1149-18	Get no " " " " " "	1244 1245 1246 999 104/25 13700	84-8 3/4 79-18 1/4 166-2/4 4-9 515-5 1/4	—	Get no " " " " " "	1244 — 1244 — —	84-8 1/2 — 166-2/4 — —	113-00	79-18 3/4 — — 4-9 515-5 1/4
Total	2000-00	1131-4	18-14	1149-18	—	—	850-2	8000-00	—	—	850-9	113-00	599-13
Gabbro T90 Sisphur	374-18 1/4	206-14 1/2	9-15	216-9 1/2	Get no " " " " " "	122 1/4 123 558 123 1/4	47-15 27-16 1/4 82-17	—	Get no " " " " " "	122 1/4 123 — —	47-15 27-16 3/4 —	20-10	82-17
Total	374-18 1/4	206-14 1/2	9-15	216-9 1/2	—	—	158-8 3/4	374-18 1/4	—	—	75-11 3/4	20-10	82-17
Talor T90 Sisphur	1551-18 3/4	313-14 3/4	6-00	319-14 3/4	Get no " " " " " "	142 143 1182 1122	820-00 405-8 2/4 7-2 1/4	—	Get no " " " " " "	142 143 — —	820-00 365-8 3/4 —	31-00	— 40-00 7-2 1/4
Total	1551-18 3/4	313-14 3/4	6-00	319-14 3/4	—	—	1232-4	1551-18 3/4	—	—	1185-3 3/4	31-00	417-1/4
Pompano T90 Sisphur	1108-9	706-19 3/4	6-00	712-19 3/4	Get no " " " " " "	139 140 140 8354 etc	249-2 3/4 115-6 3/2 31-4	—	Get no " " " " " "	139 140 — —	249-2 3/4 75-6 1/2 —	70-00	— 40-00 31-4
Total	1108-9	706-19 3/4	6-00	712-19 3/4	—	—	395-9 1/4	1108-9	—	—	824-8 3/4	70-00	71-1



Government of Telangana  
Forest Department

From  
Sri Neeraj Kumar Tibrewal, I.F.S.,  
District Forest Officer,  
Kumuram Bheem-Asifabad.

To  
The Principal Chief Conservator of Forests (FCA),  
O/o the Principal Chief Conservator of Forests,  
Aranya Bhawan, Saifabad, Hyderabad.

**Re. No. 1577/2020/S 4, Dated: 05.07.2023.**

Sir,

Sub:- TSFD- F(C) Act, 1980- Diversion of 72.9689 ha of forest land for (19) road projects of R&B Department in Asifabad District- DGPS survey conducted for non-forest land for CA & DGPS Raw data verified and Authenticated- Project wise split CA Map communication-Report on Non-Forest CA Land in Sy. No. 322 of Pangidimadra village of Tiryani Mandal for Compensatory Afforestation purpose- REVISED CA scheme for Non-Forest Land and Degraded Forest Land --Submitted for vetting-- Regarding.

Ref:- 1. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/ FCA-2, Dt: 28-09-2020.  
2. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 16.10.2020, 31.10.2020, 16.11.2020 & 23.01.2021.  
3. Collector & District Magistrate, KB-Asifabad Lr.No.E2/1278/2020, Dt: 25.02.2021.  
4. EE (R&B) Division, KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21, Dt: 13.02.2021.  
5. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/-FCA-2, Dt: 25.03.2021.  
6. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 08.04.2021, 24.05.2021, 13.07.2021, 29.07.2021.  
7. F.R.O., Ginnedhary, Rc.No.27/GDY/202122, Dt: 07.08.2021.  
8. District R&B Officer ( Executive Engineer), KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21/01, Dt: 08.02.2021 ( addressed to the Prl.C.C.F., Aranya Bhawan, Hyderabad).  
9. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt:28.08.2021 ( mail Dt: 29.08.2021)  
10. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/ FCA-2, Dt:12.10.2021.  
11. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt:28.10.2021.  
13. Vetted CA Scheme by Head Office, mail Dt: 29.10.2021.  
14. Prl.C.C.F., TS Hyd, Rc.No. FC2/FC09/2/2022/15854/2020/FCA-1, Dt:02.07.2023.

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It is submitted that, the Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide reference cited 14<sup>th</sup> cited has communicated the project wise split CA DGPS map for the non-forest land for C.A. **44.4886 ha**, identified in Sy.No.322 of Pangidimadara (v), Tiryani (M) of Asifabad and Kagaznagar Division ( for 15 roads) each project wise the details are as follows.

Sl No	Circle	District	Name of the Proposals	CA land required in Ha
1	Adilabad	KB-Asifabad	<b>Sirpur to Methandani</b>	8.6142
2	Adilabad	KB-Asifabad	BT Road from <b>Raghavapur to Govena</b>	1.744
3	Adilabad	KB-Asifabad	BT Road from <b>Govena to Jamuldhara</b>	3.412
4	Adilabad	KB-Asifabad	BT Road from <b>Kereguda to Dampur</b>	4.1077
5	Adilabad	KB-Asifabad	BT Road from <b>Gundala to Mangi</b>	3.9
6	Adilabad	KB-Asifabad	BT Road from <b>Kamana to Sarkepalli</b>	0.521
7	Adilabad	KB-Asifabad	BT Road from <b>Vanjariguda to Geethabanda</b>	1.018
8	Adilabad	KB-Asifabad	BT Road from <b>Movad to Chorpalli</b>	5.139
9	Adilabad	KB-Asifabad	BT Road from <b>Movad to Koutan Movad</b>	1.419
10	Adilabad	KB-Asifabad	BT Road from <b>Sirpur (U) to Devudpally</b>	0.327
11	Adilabad	KB-Asifabad	BT Road from <b>Pangidi to Madhura Thanda</b>	2.983
12	Adilabad	KB-Asifabad	<b>HLB on Dimda to Chittam at km 4/850 km 5/340</b>	3.291
13	Adilabad	KB-Asifabad	<b>Kazipet to Ballarsha Section</b>	2.3495
14	Adilabad	KB-Asifabad	BT Road from <b>Kammergaon to Nadigaon</b>	2.1948
15	Adilabad	KB-Asifabad	BT Road from <b>Karji to Loha</b>	2.4746
			<b>Total- A</b>	<b>44.4886</b>

*Asifabad*  
7/6/23





In view of the above, I am submitting herewith the **Revised** CA scheme for vetting ( for 15 Roads projects) for Non-Forest CA Land (NFL) for 45.00 Ha and CA scheme for Development of Degraded Forest Land (DFL) for 45.00 Ha of Kumuram Bheem-Asifabad District in lieu of Diversion of Forest land for Road projects in Asifabad & Kaghaznagar Divisions of Kumuram Bheem-Asifabad District pertains to R&B Department and requested to kindly approval of the above scheme of Kumuram Bheem-Asifabad District.

SI No	Name of the Scheme	Area in Ha	Amount in lakhs
1	CA scheme for Non-Forest CA Land for 45.00 Ha in Sy. No. 322 of Pangidimadra village of Tiryani Mandal of Ginnedhary Range Asifabad Division	45.00	449.021
2	CA scheme for Development of Degraded Forest Land for 45.00 Ha in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division	45.00	356.447
	<b>Total</b>		<b>805.468</b>

This is submitted for favour of kind information.

Yours faithfully,

District Forest Officer,  
KB-Asifabad

Copy submitted to the Chief Conservator of Forests & Field Director Project Tiger, Kawal Tiger Reserve, Mancherial for kind information.

Copy to the Forest Divisional Officer, Asifabad for information.

District Forest Officer,  
KB-Asifabad



## CA SCHEME

CA scheme for Non Forest Land (NFL) for 44.4886 Ha in Pangidimadara (v), Tiryani (M) of Ginnedhary Range of Asifabad Division and Development of Degraded Forest Land (DFL) for 45.00 Ha in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad & Kagaznagar Divisions of Kumuram Bheem-Asifabad District under LWE roads of Roads & Building (R&B) Department.

**A) Detail of Compensatory Afforestation land(NFL)**

Area: 44.4886 Ha

Sy.No: 322

Village: Pangidimadara (v),

Mandal: Tiryani

Range: Ginnehdary

Division: Asifabad

District :Kumram Bheem Asifabad

Circle : Kawal Tiger Reserve Mancheria

**B) Detail of Degraded Forest Land (DFL):**

Area: 45.00

Compt No. 55

Beat: Itikalpahad

Mandal: Sirpur (T) & Section : Makidi

Range: Sirpur

Division: Kaghaznagar

District :Kumram Bheem Asifabad

Circle : Kawal Tiger Reserve Mancheria





CA scheme for Non Forest Land (NFL) for **44.4886 Ha** in Sy.No. **322 of Pangidimadara village of Tiryani Mandal of Ginnedhary Range of Asifabad Division** and Development of Degraded Forest Land (DFL) for **45.00Ha** in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings ( R&B) Department.

**1.0 INTRODUCTION:**

The Principal Chief Conservator of Forests, (HoFF) Telangana, Hyderabad vide Rc.No. FC2/FC09/2/2022/15854/2020/FCA-1, Dt:02.07.2023 has requested to prepare CA scheme over 44.4886 Ha for Non-forest land in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnehdary Range of Asifabad Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings ( R&B) Department of Kumuram Bheem-Asifabad District.

Sl No	Circle	District	Name of the Proposals	CA land required in Ha
1	Adilabad	KB-Asifabad	<b>Sirpur to Methandani</b>	8.6142
2	Adilabad	KB-Asifabad	BT Road from <b>Raghavapur to Govena</b>	1.744
3	Adilabad	KB-Asifabad	BT Road from <b>Govena to Jamuldhara</b>	3.412
4	Adilabad	KB-Asifabad	BT Road from <b>Kereguda to Dampur</b>	4.1077
5	Adilabad	KB-Asifabad	BT Road from <b>Gundala to Mangi</b>	3.9
6	Adilabad	KB-Asifabad	BT Road from <b>Kamana to Sarkepalli</b>	0.521
7	Adilabad	KB-Asifabad	BT Road from <b>Vanjariguda to Geethabanda</b>	1.018
8	Adilabad	KB-Asifabad	BT Road from <b>Movad to Chorpalli</b>	5.139
9	Adilabad	KB-Asifabad	BT Road from <b>Movad to Koutan Movad</b>	1.419
10	Adilabad	KB-Asifabad	BT Road from <b>Sirpur (U) to Devudpally</b>	0.327
11	Adilabad	KB-Asifabad	BT Road from <b>Pangidi to Madhura Thanda</b>	2.983
12	Adilabad	KB-Asifabad	<b>HLB on Dimda to Chittam at km 4/850 km 5/340</b>	3.291
13	Adilabad	KB-Asifabad	<b>Kazipet to Ballarsha Section</b>	2.3495
14	Adilabad	KB-Asifabad	BT Road from <b>Kammergaon to Nadigaon</b>	2.1948
15	Adilabad	KB-Asifabad	BT Road from <b>Karji to Loha</b>	2.4746
			<b>Total- A</b>	<b>44.4886</b>

The Non-Forest land identified in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnehdary Range of Asifabad Division is adjacent to compartment numbers. 146 of Tiryani R.F of Ginnedhary Range. The most of the area is covered with hard soil, boulders and mixed with sheetrock. The terrain is undulated and hillock area and the land is adjacent to compartment no. 146 of Chintalamadara Beat. The land is free from encroachments. It is classified as Non-Forest in village records. The land is in a compact block and in close proximity of Reserve Forest area of Tiryani R.F. The CA land now





proposed has not been proposed or recommended to any other assignment or alternate land for any other project of any department. The existing vegetation is 0.1 to 0.4 with good vegetation consists mainly of Teak (*Tectona grandis*), Moduga (*Butea Monosperma*), Bilugu, Tapsi, Tani (*Terminalia bellarica*) Nemalinara (*Holoptelia integrifolia*), Nallamaddi (*Terminalia elliptica*), Andugu and Kanuga (*Pongamia pinnata*).

In view of the above, Handbook of guidelines for effective and transparent implementation of the provisions of Forest (Conservation) Act, 1980 vide Govt. of India vide GOI, MoEF New Delhi F. No. 5-2/2017- FC, Dt: 28.03.2019 in chapter-2 for Compensatory Afforestation (CA) in 2.4 clarifications is as follows.

- (v) Any non-forest land for the purpose of Compensatory Afforestation (CA), selected by the State Government, in lieu of forest land to be diverted may be accepted by MoEF&CC irrespective of crown density. All such lands shall be mutated in favour of State forest department and declared as protected forest prior to stage I approval.
- (vi) State Government shall prepare a CA scheme with 1000 plants per ha for all such non-forest lands. In case it is not possible to raise plantation at the rate of 1000 plants per ha on the selected non-forest land, then the balance plants shall be planted on degraded forest land as per working plan prescriptions. All forest lands which have crown density below 40 percent should only be treated as degraded forest land for the purpose of CA.
- (vii) Any degraded forest land for the purpose of CA, selected by State Government may be accepted by MoEF&CC only if the crown density of the area is below 40 percent.

Since, identified Non-forest land is having good vegetation and most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area, there is no area suitable for taking up planting hence the area could not be taken up for planting activity, and hence it is proposed to raise the CA Plantation in the Degraded Forest Land (DFL) with 1000 plants per ha in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Garlapet R.F. However the identified non-forest land to an extent of **44.4886 Ha** is proposed to be protected by erecting chain link fencing, boundary pillars and SMC works i.e., SCTs etc., and by taking up cultural operations and fire management works.

- 1) **Compensatory Afforestation:** It is proposed to raise CA in the area to be taken over from Revenue Authorities i.e. the Government land in **44.4886 Ha**, most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area, and Protection and SMC like, staggered trenches, singling & coppicing are proposed. The proposals have been prepared to take up under ANR method, Coppicing and Singling of the existing valuable species like





long rotation high value timber species and the details of Compensatory Afforestation scheme proposals are as follows.

**Non-Forest Land Area:**

S No	Sy No	Village	Mandal	Range	Area in Ha.	Name of the adjacent RF	Distance from RF to land
1	322	Pangidimadara village	Tiryani	Ginnedhary	44.4886	Tiryani RF	Adjoining to Tiryani RF

**Degraded Forest Land Area:**

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet RF.

The Compensatory Afforestation for Non-Forest Land scheme is prepared over an area of 44.4886 Ha and for Degraded Forest Land over an area of **45.00 Ha** of basing on the Forest Schedule of Rates for the year 2023-24 of Zone-II with an escalation of 10% for 2023-24 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2023-24.

**2.0 AIMS AND OBJECTIVES:**

The objectives of the scheme are as follows.

- 2.1 To create small timber and fuel wood resources to meet the needs of the local public.
- 2.2 To reduce pressure on the already depleted resource requirements of small timber, fuel and fodder of local tribal people.
- 2.3 To fulfill broader objective of sustainable environmental conservation for the general good of the people.

To fulfill the above objectives, it is proposed to take-up the Afforestation over an area which is equivalent to the area proposed for diversion for non-forestry purpose. Non-forest area of 44.4886 Ha to be taken up under ANR and other forestry operation works and Degraded Forest area of **45.00 Ha** is identified for CA. The plantations in 45.00 Ha DFL will be taken-up with the species like Teak, Gummadi Teak, Nalla Maddi, Somi. Narepa, Rose Wood etc., and with fuel wood, fodder and locally suitable NTFP species.

**3. ELEMENTS OF THE PROJECT**

3.1. Details of the lands identified for raising Compensatory Afforestation are as follows.





**Non Forest Land Area:**

Sl. No.	Division	Range	Mandal	Village & Sy.No	Near RF	Near Compt. No.	Area in Ha.
1	Asifabad	Ginnedhary	Tiryani	Pangidimadara (v) & 322	Tiyani	146	44.4886

**Degraded Forest Land Area:**

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet

**3.2 NAME OF THE SCHEME**

Compensatory Afforestation scheme over 44.4886 Ha of Non Forest Land in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnedhary Range of Asifabad Division of Kumram Bheem Asifabad District in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings (R&B) Department of Kumuram Bheem-Asifabad District.

**3.3 SITUATION**

The proposed Compensatory Afforestation over area of 44.4886 Ha is situated adjacent to the RF Tiryani, near Compt. No. 146 of Ginnedhary Range, Tiryani Mandal of Asifabad Division and not fit for raising of CA Plantations, hence a Degraded Forest Land to an extent of 45.00 Ha is identified for taking up plantation with 3mx3m espacement in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Garlapet RF.

**3.4 GEOLOGY**

The geology of the area proposed for Compensatory Afforestation is Gondwana formation supporting mixed forests.

**3.5 SOIL**

The soil of the area proposed for Compensatory Afforestation is most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area.





**3.6 CLIMATE :**

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises up to 47<sup>0</sup> Centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However Cyclonic rains are common during October - December.

**3.7 RAINFALL :**

Rainfall is mostly from the Southwest monsoon, Cyclonic rains during October-December is quite common. Average annual rainfall is 1051 mm.

**3.8 EXISTING VEGETATION:**

The NFL area is having good vegetation with miscellaneous and forest species about 0.1 to 0.4 density.

**3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:**

The Afforestation programme will be implemented by the Telangana Forest Department through the Forest Divisional Officer, Asifabad and Kaghaznagar.

**3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION**

The details of work schedule proposed for compensatory Afforestation year wise is as follows.

Year	Proposed works
2023-24	1) Nursery infrastructure, Maintenance of vehicles & improvements / Maintenance of Offices
2024-25	1) Protection works of NFL with Boundary pillars & Fencing with chainlink 2) Cultural operations & SMC works. 3) Purchase of bag plants and Conversion of Nursery 4) Nursery Infrastructure 5) Advance Operations for Plantation. 6) Animal trackers 7) SMC works. 8) Digging of CPT along DFL area 9) Base camp



2025-26	1) Protection works of NFL with Boundary pillars 2) Maintenance of Fire Lines 3) SMC works for NFL 4) Purchase of bag plants and Conversion of Nursery 5) Maintenance of Nursery 6) Raising of Plantations 7) Animal Trackers 8) Stabilization of CPT 9) Base camp
2026-27	Cultural Operations. Base camp Maintenance of New Fire Lines Maintenance of Nursery 1 <sup>st</sup> Year maintenance of plantation Animal trackers
2027-28	2nd Year maintenance of plantation Animal trackers Maintenance of Fire Lines Base camp
2028-29	3rd Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers Base camp
2029-30	4th Year maintenance of plantation Maintenance of Fire Lines Animal trackers
2030-31	5th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers
2031-32	6th Year maintenance of plantation Maintenance of Fire Lines Animal trackers
2032-33	7th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers
2033-34	8th Year maintenance of plantation Maintenance of Fire Lines
2034-35	9th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines
2035-36	10th Year maintenance of plantation Maintenance of Fire Lines





3.11 COST STRUCTURE:

Compensatory Afforestation scheme for **Rs. 805.47 lakhs** is prepared. The year wise expenditure will be as hereunder.

Sl No	Year	Amount in Lakhs		
		NFL	DFL	Total
1	2023-24	23.97	0.00	23.97
2	2024-25	334.38	89.28	423.66
3	2025-26	45.53	114.54	160.08
4	2026-27	5.41	42.59	47.99
5	2027-28	4.45	26.97	31.42
6	2028-29	5.96	16.19	22.15
7	2029-30	2.60	17.81	20.41
8	2030-31	4.44	10.95	15.39
9	2031-32	3.03	2.40	5.44
10	2032-33	5.26	13.25	18.51
11	2033-34	3.56	2.91	6.46
12	2034-35	6.24	16.03	22.28
13	2035-36	4.19	3.52	7.71
	<b>Total</b>	<b>449.02</b>	<b>356.45</b>	<b>805.47</b>

This scheme will be monitored through the machinery of Forest Department at various levels.

4.0 SCHEME COMPONENT:

The area identified for Compensatory Afforestation is 44.4886 Ha is most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area with having good vegetation. It is proposed to protect the area by Chain link fence by user Agency and SMC works i.e., SCTs etc., and by takingup cultural operations and fire management works. It is also proposed to take up Afforestation planting over an area of 45.00 Ha in DFL under Semi Mechanical Method in 3mx3m espacement with NTSHW species and with fuel wood, fodder and locally suitable NTFP species. The plantation would be maintained for (10) years after planting.

4.1 COST STRUCTURE OF PLANTATIONS :

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of planting stock and the plantation is appended.



**4.2 PROVISION OF FUNDS :**

The funds for the Compensatory Afforestation have to be deposited by the user agency in favour of Telangana Forest Department by following due procedure through e-payment method by generating the Challan from the Ministry’s web portal ([www.forestsclearance.nic.in](http://www.forestsclearance.nic.in)). These funds will be utilized by the Forest Divisional Officer, Asifabad & Kaghaznagar for raising nurseries, plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

**5.0 PLANTING TARGETS AND STAFF REQUIREMENT :**

The DFL area identified for the Compensatory Afforestation to an extent of **45.00 Ha** of Kaghaznagar Division, the details as follows.

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet

**5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING:**

The amount proposed towards office expenses, contingent expenses are appended

**5.2 CAPITAL EXPENDITURE NON – RECURRING**

No amount is proposed towards non-recurring expenditure.

**5.3 SCHEME PERIOD :**

This scheme will be implemented over a period of (13) years commencing from 2023-24 The details of cash flow required for the entire project period for recurring and non recurring expenditure is furnished in annexure.

**5.4 DETAILS OF PROPOSED MONITORING MECHANISM:**

The Forest Divisional Officer, Asifabad & Kaghaznagar and District Forest Officer, Kumram Bheem-Asifabad & the Chief Conservator of Forests & Field Director Project Tiger, Kawal Tiger Reserve, Mancherial shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

  
**District Forest Officer,  
KB-Asifabad**

15



Year-wise detailed Abstract of CA scheme for Non Forest Land (NFL) for 45.00 Ha in Sy.No. 322 of PANGIDIMADARA village of Tiryani Mandal of Asifabad Division of Kumuram Bheem-Asifabad District in lieu of Division of Forest land for (14) Road projects in Asifabad & Kaghanagar Divisions of Kumuram Bheem-Asifabad District under LAWE Scheme of R & B Department.

Item of Work	Phy	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29		
		Unit Cost 2023-24(Rs.)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cultural Operations																			
Singling and Coppicing to existing growth	Ha	1536.44		1690.084		45	1859	0.8366		2045.00		45 00	2249.50	1.01228		2474.45		45 00	2721.90
Formation of New Fire Lines of 5.00 M width (03.01.04)	KM	9705	0.000	10676	0.000	15.000	11743	1.761											
Maintenance of Fire Lines ( 5.00 mtr width) (03.04.05)	KM	6386	0	7025	0.000	0.000	7727	0.000	15.000	8500	1.275	15 000	9350	1.402	15 000	10285	1.543	15 000	11313
Fire Watch Tower	LS	1500000	1	1500000	15.000														
Sub Total:					15.000			2.598			1.275			2.415			1.543		2.922
SMC Works																			
Construction of Check Dams	No	600000		660000		2.00	726000	14.52	2	798600	15.97								
Construction of Percolation Tanks	No	200000		220000		3	242000	7.26	5	266200	13.31								
Construction of Mini Percolation Tanks	No	50000		55000		5	60500	3.03	5	66550	3.33						0.000		0.000
Sub Total:					0.000			24.805			32.610						0.000		0.000
Protection																			
Construction of boundary pillars @40 m interval	No's	10000		11000	0.000	178	12100	21.478	0	13310	0.000								
Erection of Chain Link Fencing	km	2200000		2420000	0.000	7.10	2662000	189.002											
Construction of Protection Camp	No	800000		880000	0.000	1	968000	9.680									0.000		0.000
Sub Total:					0.000			220.2			0.000						0.000		0.000
Nursery activities ( including casualities)																			
Purchase of Gachakaya Bag Plants of size 6"x8" for Planting on th trench done by user agency	Plant	10.000	19250	11.000	2.118	0.00	12.10	0.000	0	13.31	0.000								
Purchase of Gachakaya Bag Plants of size 6"x8" for Revist of Stabilization	Plant	9.773		10.750		7100	13.01	0.924	0.00	14.31	0.000	0	15.74	0.000			0.000		0.000
Sub Total:					2.118			0.924			0.000						0.000		0.000
Nursery Infrastructure																			
Nursery Infrastructure	LS				0.000	0	1.5	0.000			0.000			0.000			0		0.000
Sub Total:					0.000			0.000			0.000			0.000			0.000		0.000
Planting activities ( L1 method) - (3m x3m) -																			
Stabilization of Gachakaya Seedlings	Ha	47700	7.00	52470	3.673	7.10	57717	4.098											
Revisit	Ha	47700		52470	0.000	0.00	57717	0.000	7.10	63489	4.508						0.000		0.000
Sub Total:					3.673			4.098			4.508						0.000		0.000
Misc - Infrastructure & Admin. Charges																			
Monitoring and Awareness - Publicity	LS							2.00000			2.0000						2.000		2.000
Mobility, supervizing and infrastructure of front line staff for better monitoring of improvement of forests and wildlife	I	4000000	0	4400000	0.000	1	4810000	48.400		5324000	0.000		5856400	0.000		6442040	0.000		7086244
Improvements / Maintenance of Offices	LS				1.000			1.000			1.000			0.500			0.500		0.500
Sub Total:					1.000			51.400			3.000			2.500			2.500		2.500
Total					21.790			303.984			41.392			4.915			4.043		5.422
Administrative cost 10% over core activities					2.179			30.398			4.139			0.491			0.542		0.542
Grand Total					23.969			334.38			45.531			5.406			4.447		5.964



## 2084522(5)/2023/FCA SECTION-PCCF

Abstract of CA scheme for Non Forest Land (NFL) for 45.00 Ha in Sy.No. 322 of PANGIDIMADARA village of Tiryani Mandal of Asifabad Division of Kumram Bheem-Asifabad District in lieu of Diversion of Forest land for (14) Road projects in Asifabad & Kaghaznagar Divisions of Kumram Bheem-Asifabad District under LVE Scheme of R & B Department.

Item of Work	2029-30			2030-31			2031-32			2032-33			2033-34			2034-35			2035-36			Grand Total		
	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy		Fin
2	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
<b>ral Operations</b>																								
ing and Coppicing to existing growth		2994.09		45.00	3293.50	1.48207		3622.85		45.00	3985.13	1.79331		4383.64		45.00	4822.01	2.16990				45.00		8.519
ation of New Fire Lines of 5.00 M width (03.01.04)																						15.00		1.761
tanance of Fire Lines ( 5.00 mtr width) (03.04.05)	15.000	12445	1.867	15.000	13689	2.053	15.000	15058	2.259	15.000	16564	2.485	15.000	18220	2.733	15.000	20042	3.006	15.000	22046	3.307	165		23.627
Watch Tower																						1		15.000
<b>Sub Total:</b>			1.867			3.535			2.259			4.278			2.733			5.176			3.307			48.907
<b>Works</b>																								
truction of Check Dams																						4		30.492
truction of Percolation Tanks																						8		20.570
truction of Mini Percolation Tanks																						10		6.353
<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			0.000			57.415
<b>ection</b>																								
truction of boundary pillars @40 m interval																						178		21.478
ion of Chain Link Fencing																						7		189.002
truction of Protection Camp																						1		9.680
<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			0.000			220.160
<b>ery activities ( including casualities)</b>																								
ase of Gachakaya Bag Plants of size 6"x8" for Planting on																						19250		2.118
ecg done by user agency																						7100		0.924
ase of Gachakaya Bag Plants of size 6"x8" for Revist of																								
lization																								
<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			0.000			3.041
<b>ery Infrastructure</b>																								
ry Infrastructure																						0		0.000
<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.000
<b>ing activities ( LI method) - (3m x3m) -</b>																								
ization of Gachakaya Seedlings																						14.10		7.771
it																						7.10		4.508
<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			0.000			12.279
<b>- Infrastructure &amp; Admin. Charges</b>																								
oring and Awareness - Publicity																								10.000
ity, supervizing and infrastrurure of front line staff for		7794868	0.000		8574355	0.000		9431791	0.000		10374970	0.000		11412467	0.000		12553714	0.000		13809085	0.000			48.400
monitoring of improvement of forests and wildlife																								
vements / Maintenance of Offices			0.500			0.500			0.500			0.500			0.500			0.500			0.500			8.000
<b>Sub Total:</b>			0.500			0.500			0.500			0.500			0.500			0.500			0.500			66.400
<b>Total</b>			2.367			4.035			2.759			4.778			3.233			5.676			3.807			408.201
nsrative cost 10% over core activities			0.237			0.404			0.276			0.478			0.323			0.568			0.381			40.820
<b>Grand Total</b>			2.603			4.439			3.035			5.256			3.556			6.244			4.188			449.021

District Forest Officer,  
KumramBheem-Asifabad



UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2023-34

Sl. No.	FSR	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	835.84
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	290.16
3	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.	Watcher/month	5	10846.93	100	542.35
		Total					1668.35
		cost of each plant (500 Plants per bed)					3.3367



District Forest Officer  
KB Asifabad



UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August) FSR -2023-24

Sl. No.	FSR	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	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	1353.08
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
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	20.00	1	20.00
	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	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	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 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	433.88
8	01.04.09	Electricity charges			550.00		550.00
		Total					3064.80
9	01.04.08	Contingencies @ 5%					153.24
		2021-22 Total					3218.04
		cost of each plant (500 Plants per bed)					6.4361

  
District Forest Officer  
KB Asifabad



UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11" ( FSR -2023- 24 )

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		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).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum) ( 500 Bags per Bed)	No	500	1447.37	1000	723.69
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum)	No	500	38.32	1000	19.16
	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	h	(h) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum)	No	500	2554.32	1000	1277.16
	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	136.66
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	580.32
	01.03.33	Watering the plants manually twice a day (from Novemembr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	1691.70
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	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 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	433.88
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7997.56
10	01.03.38	Contingencies @ 5%					399.878
		Total for 500 plants					8397.44
		cost of each plant					16.7949

  
District Forest Officer  
KB Asifabad



Unit cost for Stabilization of RF Block boundary ( CPT Bund stabilization) FSR 2023-24

			Area in Ha/Km. :		1.00	KM		
Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		First year operations in ANR areas						
1		STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and adjacent strips are taken up with the objective of increasing the effectiveness of trench as a barrier for entry of grazing animals and spread of fire. Also by planting on the mound, the loose soil gets stabilized and increases the life-span of trench. The rationale of planting the edible wild fruit species is to enhance the food base of the monkeys and other wild animals. The species selected for planting may be Pithecolobium dulce, Terminalia bellirica, Careya arborea, Bridellia retusa, Phyllanthus emblica, Semecarpus anardium, Buchanania lanzan, Tamarindus indica, Ficus benghalensis, Ficus religiosa, Limonia acidissima, Syzygium cuminii etc. All these plantings will be one time operation without further years' maintainance. The process includes following steps:						
	03.02.02	1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. (E) 15% extra over basic rates for revisiting areas only. The total planting points thus works out to be 2750 seedlings per km on trench mound.						
		Procurement of seedlings ( Gachakaya 2000+ Bamboo-250 + fruit species-500) ( 2750 +25 % casualities per Kms= 3437 Nos or <u>3450 Nos</u>	3450	Nos	5.50	1	Nos	18975
		(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound.						
		(a) Allignment & Stacking (in 2 staggered rows)	2000	Nos	94.82	100	Nos	1896
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	2000	Nos	65.94	100	Nos	1319
		(c) Digging of 30 cm <sup>3</sup> pits to be done during June	2000	Nos	5.64	1	No	11280
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(iii) From nursery to plantation site - upto 5 Km lead (4"X7") bag plants	2000	Nos	44.88	100	Nos	898
		(iv) From nursery to plantation site - beyond 5 Km upto 25 km lead (4"X7") bag plants ( 20 Kms X 1.43 )	2000	Nos	33.00	100	Nos	660
		(g) Internal transportation of 4"X7" bag plants to planting points on Head loads	2000	Nos	47.38	100	Nos	948
		(h) Planting with 2.00 m apart in two row (1000 Nos. per km) and formation of saucer on lower slope to hold water.	2000	Nos	165.85	100	Nos	3317



Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
2		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart ( Bag Planting)						
		(a) Allignment & Stacking	500	Nos	94.82	100	Nos	474
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	65.94	100	Nos	330
		(c) Digging of 30 cm <sup>3</sup> pits to be done during June	500	Nos	5.64	1	No	2820
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (4"x7") bag plants	500	Nos	44.88	100	Nos	224
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 1.30=41.00 )	500	Nos	33.00	100	Nos	165
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	47.38	100	Nos	237
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	165.85	100	Nos	829
3		(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound ( Bag planting)						
		(a) Allignment & Stacking )	250	Nos	94.82	100	Nos	237
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	65.94	100	Nos	165
		(d) Digging of 45 cm <sup>3</sup> pits (50% of original rate) to be done during June	250	Nos	5.64	1	No	1410
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (6"x8") bag plants	250	Nos	44.88	100	Nos	112
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 4.03=80.60 )	250	Nos	33.00	100	Nos	83
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	47.38	100	Nos	118
		(h)Planting with 4 m apart in one row ( 250 Nos. per km)	250	Nos	165.85	100	Nos	415
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						46911

2023-24

P. KM

47700

District Forest Officer  
K.B. Asifabad



## 2084522(5)/2023/FCA SECTION-PCCF

Year-wise detailed Abstract of CA scheme for Development of Degraded Forest Land (DFL) for 45.00 Ha in Compartment No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Kumuram Bheem-Asifabad District in lieu of Diversion of Forest land for Road projects in Asifabad & Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE Scheme of Roads & Building ( R&B) Department.

Year-wise detailed Abstract of Asifabad District

Sl. No	Item of Work	Phy	Unit Cost 2021-22 (Rs.)	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			2029-30		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	DEGRADED FOREST LAND (DFL) - 45.00 Ha																							
A	Nursery activities ( including casualties)																							
1	Purchase of Bag Plants of size 6"x8"	Plant	10.000		11.000		60750	12.10	7.351	15188	13.31	2.021												
2	Conversion of bag plants from 6"x8" to 9"x11"	Plant	16.795		18.474		60750	20.32	12.345	15188	22.35	3.395												
3	Maintenance of Bag Plants of 9"x11"	Plant	9.773		10.750			13.01		60750	14.31	8.692	15188	15.74	9.56153									
	Sub Total:					0.000			19.696			14.109			9.562			0.000			0.000			0.000
	Nursery Infrastructure																							
4	Nursery Infrastructure	Ls			0.000	1	LS	15.000			5.000			0			0							
	Sub Total:				0.000			15.000			5.000			0.000			0.000			0.000				0.000
B	Planting activities (SMM) - (3m x3m) - 45.00 Ha																							
5	Advance Operations	Ha	45918				45.00	55561	25.002															
6	Raising of Plantation	Ha	112749							45.00	150069	67.531												
7	1st Year Maintenance	Ha	44252										45.00	64789	29.155									
8	2nd Year Maintenance	Ha	33833													45.00	54488	24.520						
9	3rd Year Maintenance	Ha	18459																45.00	32700	14.715			
10	4th Year Maintenance	Ha	18459																			45.00	35970	16.187
11	5th Year Maintenance	Ha	10322																					
12	6th Year Maintenance	Ha	2060																					
13	7th Year Maintenance	Ha	10322																					
14	8th Year Maintenance	Ha	2060																					
15	9th Year Maintenance	Ha	10322																					
16	10th Year Maintenance	Ha	2060																					
	Sub Total:					0.000			25.002			67.531			29.155			24.520			14.715			16.187
C	Forest Protection																							
17	Digging of CPT (1X1.5X1 Mt) along the DFL boundaries	Km	60000		66000	0.000	3.110	72600	2.258															
18	Stabilization of CPT	Km	47700		52470			57717	0.000	3.110	63489	1.974												
19	Construction of Mini Percolation Tanks	No	50000		55000		10	60500	6.050															
20	Construction of Check dams	No	600000		660000		2	726000	14.520	2	798600	15.972												
	Sub Total:					0.000			22.828			17.946			0.000			0.000			0.000			0.000
D	Administrative Cost - 10% over DFL Activities					0.000			6.753			9.959			3.872			2.452			1.472			1.619
	Total of DFL					0.000			89.279			114.545			42.588			26.972			16.187			17.805



## 2084522(5)/2023/FCA SECTION-PCCF

t of CA scheme for Development of Degraded Forest Land (DFL) for 45.00 Ha in Compartment No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Kumuram Bheem-  
t in lieu of Diversion of Forest land for Road projects in Asifabad & Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE Scheme of Roads & Building ( R&B) Department.

SL No	Item of Work	2030-31			2031-32			2032-33			2033-34			2034-35			2035-36			Grand Total		
		Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy		Fin (Rs.in Lakhs)
1	2	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	44	45	46
	DEGRADED FOREST LAND (DFL) - 45.00 Ha																					
A	Nursery activities ( including casualties)																					
1	Purchase of Bag Plants of size 6"x8"																			75938		9.372
2	Conversion of bag plants from 6"x8" to 9"x11"																			75938		15.741
3	Maintenance of Bag Plants of 9"x11"																			75938		18.254
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			43.367
	Nursery Infrastructure																					
4	Nursery Infrastructure																			1		20.000
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			20.000
B	Planting activities (SMM) - (3m x3m) - 45.00 Ha																					
5	Advance Operations																			45.00		25.002
6	Raising of Plantation																			45.00		67.531
7	1st Year Maintenance																			45.00		29.155
8	2nd Year Maintenance																			45.00		24.520
9	3rd Year Maintenance																			45.00		14.715
10	4th Year Maintenance																			45.00		16.187
11	5th Year Maintenance	45.00	22125	9.956																45.00		9.956
12	6th Year Maintenance				45.00	4856	2.185													45.00		2.185
13	7th Year Maintenance							45.00	26771	12.047										45.00		12.047
14	8th Year Maintenance										45.00	5876	2.644							45.00		2.644
15	9th Year Maintenance													45.00	32393	14.577				45.00		14.577
16	10th Year Maintenance																45.00	7110	3.200	45.00		3.200
	Sub Total:			9.956			2.185			12.047			2.644			14.577			3.200			221.720
C	Forest Protection																					
17	Digging of CPT (1X1.5X1 Mt) along the DFL boundaries																			3.11		2.258
18	Stabilization of CPT																			3.11		1.974
19	Construction of Mini Percolation Tanks																			10.00		6.050
20	Construction of Check dams																			4.00		30.492
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			40.774
D	Administrative Cost - 10% over DFL Activities			0.996			0.219			1.205			0.264			1.458			0.320			30.59
	Total of DFL			10.952			2.404			13.252			2.909			16.035			3.519			356.447

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UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2023-24

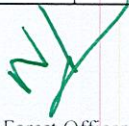
Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	835.84
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	290.16
3	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 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	5	10846.93	100	542.35
		Total					1668.35
		cost of each plant (500 Plants per bed)					3.3367



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UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August) FSR -2023-24

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	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	1353.08
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	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	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
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	433.88
8	01.04.09	Electricity charges			550.00		550.00
		Total					3064.80
9	01.04.08	Contingencies @ 5%					153.24
		2021-22 Total					3218.04
		cost of each plant (500 Plants per bed)					6.4361

  
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UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11" ( FSR -2023-24 )

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		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).					
		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.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags ( 4 717 - 1.433 = 3.284 cum ) ( 500 Bags per Bed)	No	500	1447.37	1000	723.69
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags ( 4 717 - 1.433 = 3.284 cum )	No	500	38.32	1000	19.16
	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	h	(h) 6" x 8" to 9" x 11" bags ( 4 717 - 1.433 = 3.284 cum )	No	500	2554.32	1000	1277.16
	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	136.66
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	580.32
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	1691.70
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	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 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	433.88
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7997.56
10	01.03.38	Contingencies @ 5%					399.878
		Total for 500 plants					8397.44
		cost of each plant					16.7949

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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	441.77	Plantation	442
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	2455.33	Ha	982
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	3690.64	Ha	1476
	(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.	0.2	8670.61	Ha	1734
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	6586.65	Ha	2635
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	12748.32	Ha	5099
	(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.	0.2	16573.42	Ha	3315
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	6709.72	Ha	2684
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	10647.59	Ha	4259
	(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.	0.2	12415.12	Ha	2483
02.08.05	Tilling the soil to a depth of 0.45 cm in the affected area				
a	Sparce jungle growth less than 10% ground area covered with jungle growth	1	20809.08	Ha	20809
	Unit Rate for FSR 2021-22				45918

  
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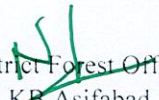
Unit Rate per Ha					
Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.02	<b>Deep Ploughing</b> the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. <b>For untilled areas - Hard Soils</b>	1	6492.13	Ha	6492
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1257.61	1	1258
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	105.41	100	1171
02.09.05 (ii)	Cost of preparation of stakes ( 2.00 m length) and transportation to site.( Subject to condition that the seedling height is 1.5. to 2.00 M)	1111	1415.61	100	15727
02.09.06	© Digging of 45 cm cube size pits	1111	10.65	1	11832
	<b>Transportation</b> of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(20X30 cm (9"X11")bag plants)	1111	309.57	100	3439
02.09.08	5 Km to 25 Km lead(20X30 cm (9"X11")bag plants)	1111	10.88	100	121
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (9"X11")bag plants	1111	194.46	100	2160
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.00	1	2222
a	Application of 50gm of SSP per pit	1111	46.32	100	515
	<b>Planting Bag Plants</b>				
02.09.12	Planting in 45 cm <sup>3</sup> Pit	1111	516.09	100	5734
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	1950.89	100	21674
02.09.14 (a &b)	Watering to the plants - 2 waterings	1111	624.92	100	6943
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)	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
	Pitting	222	5.33	1	1182
	Transportation Up to 5 Km + Beyond 5 Km)	222	320.45	100	711
	Internal Transportation	222	194.46	100	432
	Planting	222	516.09	100	1146
02.09.16	Cost of DAP @25gm / planting point	1111	2.00	1	2222
02.09.17	<b>Application</b> 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 & closing.	1111	46.32	100	515
02.09.18	<i>Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.</i>	1111	191.53	100	2128
02.09.19	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	890.24	100	9891
02.09.20	<b>Inter-ploughing</b> (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	1	4045.91	1	4046
02.09.22	Uprootal of Mahaveera Weed	1	4306.88	1	4307
02.09.25	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> 10846.93 x 9 = 86895 /20	1	4881.12	Ha	4881
02.09.24	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				2000
	<b>Unit Rate for FSR 2021-22</b>				<b>112749</b>

District Forest Officer  
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Unit Cost for 1st Year Maintenance of NTS Plantation (3 m X 3 m) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 25 % 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 45 cm cube size pits -	278	10.650	1	2961
02.09.07	Transportation up 5km	278	309.57	100	861
02.09.08	Transportation beyond 5 Km (25 - 5 ) = 20 KM	278	10.88	100	30
02.09.10	Internal Transportation	278	194.46	100	541
02.09.12	Planting in 45 cm <sup>3</sup> Pit	278	516.09	100	1435
02.09.16	Cost of DAP @25gm / planting point	1111	1.00	1	1111
02.09.14 (a &b)	Watering to the plants - 2 waterings	1111	624.92	100	6943
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 & closing. - 50% of rate	1111	46.32	100	515
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	191.53	100	2128
02.10.03	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	890.24	100	9891
02.10.04	Uprootal of Mahaveera	1	4306.69	Ha	4307
02.10.05	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.	1	3391.73	Ha	3392
02.10.06	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
02.10.09	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
02.10.08	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				2000
Unit Rate for 2021-22					44252

  
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**Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m )SMM per Ha -  
FSR-2023-24**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - <b>20% proposed</b>	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and			
02.09.06	Digging of 45 cm cube size pits -	222	10.650	1	2364
02.09.07	Transportation up 5km	222	309.57	100	687
02.09.08	Transportation beyond 5 Km (25 - 5 ) = 20 KM	222	10.88	100	24
02.09.10	Internal Transportation	222	194.46	100	432
02.09.12	Planting in 45 cm <sup>3</sup> Pit	222	516.09	100	1146
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	624.92	100	6943
02.11.02	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)	1111	890.24	100	9891.00
02.11.03	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.60	4306.69	Ha	2584
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.	100	7.25	Rmt	725
02.11.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
02.11.05	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				900
	<b>Unit Rate for 2021-22</b>				<b>33833</b>

  
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Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	890.24	100	9891
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
	<b>Unit Rate for 2021-22</b>				<b>18459</b>

  
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Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.02	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)	1111	890.24	100	9891
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation;	1	6508.16	Ha	6508
Unit Rate for 2021-22					18459

  
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Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m )SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.02	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	1111	890.24	100	9891
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
Unit Rate for 2021-22					10322

  
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Unit Cost for 6th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
	Unit Rate for FSR 2021-22				2060

  
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Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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	1111	890.24	100	9891
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
	Unit Rate for FSR 2021-22				10322

  
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Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
Unit Rate for FSR 2021-22					2060

  
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Unit Cost for 9th Year Maintenance of NTSH Plantation (3m x 3m )SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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 <b>25% of cost adopted</b>	1111	890.24	100	9891
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
	<b>Unit Rate for FSR 2021-22</b>				<b>10322</b>

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Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2023-24

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
	Unit Rate for FSR 2021-22				2060

  
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Unit cost for Digging of Cattle Proof Trench (CPT) along the RF Boundary ( DFL Boundary)

Unit cost for 1.00 KM

Sl.No	Particulars	F.S.R. Item No.	Quantity		Rate	Per	Amount
1	2	3	4		5	6	7
1	Digging of CPT along the Reserve Forest Boundary line of Nambal Reserve Forest with the Machinery including excavation in all kinds of soils and depositing the excavation earth as directed with Minimum lead and lifts including cost of Machinery and labour 1000 Mtrs x((1m+1.5m)/2)x1m = 1250 Cu.m ( per KM)		1250	Cum	48.40	Cum	60500
			Total :				60500
			Add SGST (9 % ) :				3630
			Add CGST ( 9 % ) :				3630
			Add CESS ( 1 % ) :				605
			Grand Total :				68365

Or 60000



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Unit cost for Stabilization of RF Block boundary ( CPT Bund stabilization) FSR 2023-24

			Area in Ha/Km. :		1.00	KM		
Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		First year operations in ANR areas						
1		STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and adjacent strips are taken up with the objective of increasing the effectiveness of trench as a barrier for entry of grazing animals and spread of fire. Also by planting on the mound, the loose soil gets stabilized and increases the life-span of trench. The rationale of planting the edible wild fruit species is to enhance the food base of the monkeys and other wild animals. The species selected for planting may be Pithecolobium dulce, Terminalia bellirica, Careya arborea, Bridellia retusa, Phyllanthus emblica, Semecarpus anardium, Buchanania lanzan, Tamarindus indica, Ficus benghalensis, Ficus religiosa, Limonia acidissima, Syzygium cuminii etc. All these plantings will be one time operation without further years' maintainance. The process includes following steps:						
	03.02.02	1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. (E) 15% extra over basic rates for revisiting areas only. The total planting points thus works out to be 2750 seedlings per km on trench mound.						
		Procurement of seedlings ( Gachakaya 2000+ Bamboo-250 + fruit species-500) ( 2750 +25 % casualities per Kms= 3437 Nos or <u>3450 Nos</u>	3450	Nos	5.50	1	Nos	18975
		(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound.						
		(a) Alignment & Stacking (in 2 staggered rows)	2000	Nos	94.82	100	Nos	1896
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	2000	Nos	65.94	100	Nos	1319
		(c) Digging of 30 cm <sup>3</sup> pits to be done during June	2000	Nos	5.64	1	No	11280
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(iii) From nursery to plantation site - upto 5 Km lead (4"X7") bag plants	2000	Nos	44.88	100	Nos	898
		(iv) From nursery to plantation site - beyond 5 Km upto 25 km lead (4"X7") bag plants ( 20 Kms X 1.43 )	2000	Nos	33.00	100	Nos	660
		(g) Internal transportation of 4"X7" bag plants to planting points on Head loads	2000	Nos	47.38	100	Nos	948
		(h) Planting with 2.00 m apart in two row (1000 Nos. per km) and formation of saucer on lower slope to hold water.	2000	Nos	165.85	100	Nos	3317



Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart ( Bag Planting)						
		(a) Allignment & Stacking	500	Nos	94.82	100	Nos	474
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	65.94	100	Nos	330
		(c) Digging of 30 cm <sup>3</sup> pits to be done during June	500	Nos	5.64	1	No	2820
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (4"x7") bag plants	500	Nos	44.88	100	Nos	224
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 1.30=41.00 )	500	Nos	33.00	100	Nos	165
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	47.38	100	Nos	237
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	165.85	100	Nos	829
3		(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound ( Bag planting)						
		(a) Allignment & Stacking )	250	Nos	94.82	100	Nos	237
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	65.94	100	Nos	165
		(d) Digging of 45 cm <sup>3</sup> pits (50% of original rate) to be done during June	250	Nos	5.64	1	No	1410
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (6"x8") bag plants	250	Nos	44.88	100	Nos	112
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 4.03=80.60 )	250	Nos	33.00	100	Nos	83
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	47.38	100	Nos	118
		(h)Planting with 4 m apart in one row ( 250 Nos. per km)	250	Nos	165.85	100	Nos	415
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						46911

2021-22

P. KM

47700

District Forest Officer  
KB Asafabad