

05 AUG 2023

GOVERNMENT OF TELANGANA  
ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY(FOR.I) DEPARTMENTLetter No.73/For.I(1)/2022Dated:03.08.2023.

From

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

To

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.(w.e.)

Sir,

Sub:- EFS&T Dept. - F(C) Act, 1980 - Diversion of **2.4746 ha** (revised from 3.3745 Ha) of forest land in Asifabad Division for construction of BT Road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli in favour of Dist R&B Officer, Komarambheem -Asifabad - **Furnishing of Additional information** -Regarding.

Ref:- 1.From the PCCF(HoFF), TS, Hyd., Ref No.15965/2020-FCA-2,  
Dt:05.01.2022.

2.Govt Lr.No.73/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-TSB249/2022-  
HYD/441, Dated:11.04.2022.

4.Govt Lr.No.73/For.I(1)/2022, Dt:12.04.2022.

5.From the PCCF(HoFF)&CWLW, T.S, Hyd., Rc.No.16824/2020/  
WL-1, Dt:17.02.2022.

6.Minutes of the 4<sup>th</sup> reconstituted meeting of State Board for  
Wildlife held on 24.02.2022 at 10.00 AM.

7.Govt.Memo.No.73/For.I(1)/2022, Dated:25.05.2022.

8.From the PCCF(HoFF),T.S.,Hyderabad, Ref.No.15965/2020-  
FCA-2, Dated:26.04.2023

9.Govt.Memo.No.73/For.I(1)/2022, Dt:09.06.2023.

10.From the PCCF(HoFF), T.S., Hyd., Ref.No.FC2/FC09/11/2022  
(15695/2020), Dated:16.07.2023.

\*\*\*\*\*

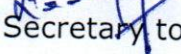
I am to invite your attention to the reference 3<sup>rd</sup> cited and to forward the additional information in respect of the proposal for diversion of **2.4746 ha** (revised from 3.3745 Ha) of forest land in Asifabad Division for construction of BT Road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli in favour of Dist R&B Officer, Komarambheem as furnished by Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad in the letter 10<sup>th</sup> cited (copy enclosed) and stated that the DFO vide letter dt.5-7-2023 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 forRs.702.257 lakhs (Rs.392.372 lakhs for CA NFL andRs.309.885 lakhs for CA DFL). Location of the NFL and DFL duly signed by the DFO and User Agency is enclosed herewith. Revised CA scheme proposal are also enclosed along with apportioned CA scheme proposal. The same is also uploaded online on Ministry's portal and he has requested the Government to forward the relies to the IRO, MoEF & CC, GoI, 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.

[P.T.O.]

-2-

2. I therefore request you to approval the proposal Government of India, Ministry of Environment, Forests & Climate Change, under Section-2 of Forest (Conservation) Act, 1980, at the earliest.

Yours faithfully

  
for Additional Secretary to Government**Copy to:**

The RO(Central)Sub Office, IRO, Aranya Bhavan, Hyderabad.  
✓ The Principal Chief Conservator of Forests (HoFF),  
Telangana State, Hyderabad.  
Sc.

I/165567/2023

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

<p>From Sri R M Dobriyal, IFS, Prl. Chief Conservator of Forests &amp; Head of Forest Force Aranya Bhavan, HYDERABAD (TS) 500 004.</p>	<p>To The Special Chief Secretary to Government, Forests Department, Government of Telangana, Hyderabad (TS), 500004.</p>
--	---

**Rc.No.FC2/FC09/11/2022 (15695/2020), Dated. 16/07/2023.**

Madam,

**Sub:** TSFD - Forest (C) Act, 1980 - diversion of 2.4746 Ha of FL in Asifabad Division for  
- construction of BT Road from Kharji to Loha from Km 0/0 to 4/719 of Dahegaon  
Mandal of Girelli in favour of Dist R&B Officer, Komarambheem- Asifabad - **EDS  
raised by IRO - submission of replies** - Reg.

**Ref :**

1. CCF, Adilabad Ref.No.32/2021-M6(i), dt.20.09.2021.
2. PCCF, TS, Hyderabad Rc.No. 15965/2020/FCA2, dt.05.01.2022.
3. State Govt. Lr.No. 73/For.I(1)/2022, dt.12.01.2022.
4. IRO, MoEF&CC, Gol, Hyderabad Lr.No. 4-TSB249/2022-Hyd/441,  
dt.11.04.2022.
5. PCCF, TS, Hyderabad Rc.No. 15965/2020/FCA2, dt.19.04.2022.
6. CCF, Adilabad Ref.No.32/2021-M6(i), dt.09.06.2022.
7. PCCF, TS, Hyderabad Rc.No. 15965/2020/FCA2, dt.19.04.2022.
8. District Forest Officer, Asifabad Lr.No.1577/2020/S4, dt.05.07.2023.

\*\*\*\*\*

In continuation to the reference 7<sup>th</sup> cited, the following revised replies on the EDS raised  
by the IRO, MoEF&CC, Gol, Hyderabad vide ref 4<sup>th</sup> cited is submitted herewith.

Point-wise replies to the EDS is as follows:

1. **Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion) shoulders/Berm/drainage etc may be furnished**

**Reply:**

The District R&B Officer, Executive Engineer, Kumurambheem Asifabad has submitted the cross section details (Copy enclosed herewith).

2. **Revised map, kml file and map etc for an area of 2.4746 Ha non forest are proposed for CA purpose shall be uploaded in the online application**
3. **MAP AND DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be submitted.**

**Replies for point 2 & 3:**

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.

I/165567/2023

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.

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>Present file</b> ) <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</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)**

I/165567/2023

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

Further, it is submitted that the subject proposal is **also cleared in the NBWL meeting held on 29.12.2022.**

In view of the above, the above replies alongwith revised 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: 16-07-2023 11:26:54

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, Mancherial 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 allotment 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 (HoFF) & (FAC) CWLW, O/o the PCCF (HoFF), TS, Hyderabad for information and necessary action.

**GOVERNMENT OF TELANGANA  
ROADS & BUILDINGS DEPARTMENT**

**From**  
G.Peddaiah, B.E.,  
District (R&B) Officer,  
(Executive Engineer)  
Kumrambheem Asifabad.

**To**  
District Forest Officer,  
Kumrambheem Asifabad District.

**Lr.No.DB/EE Asifabad/R&B/2021-22**

**Date: 26.02.2022**

Sir,

Sub: Diversion of 2.4746 ha (revised from 3.3745 Ha) of FLin Asifabad Division for Construction of BT road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli in favour of Dist R&B Officer, Kumrambheem Asifabad District- Submission of Additional Documents/Clarifications-Req-Reg.

Ref: 1. IRO, MoEF&CC, Hyd-F.No.4-TSB249/2022-HYD/441, Dated: 11.04.2022.  
2. Prl. C.C.F., TS Hyderabad,Rc.No. 15695/2020/FCA-2, Dated: 19.04.2022  
3. CE (R&B), Admin,QC,RR,D&P, LWE & RSW; ENDO. No. LWE/EE(LWE)/DEE(LWE)AEE1/2022-23, Dated: 13.04.2022.

\* \* \* \* \*

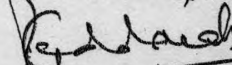
Anent to the reference cited, I am here to submit the following additional information/clarifications for further consideration of proposals of Construction of BT road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli.

1. Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.  
Reply:Cross section sheet enclosed.
2. Revised map, kml file and map etc for an area of 2.4746 ha non forest area proposed for CA purpose shall be uploaded in the online application.  
Reply:Revised map enclosed, Kml file and map uploaded in the online application.
3. MAP and DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be furnished.  
Reply:MAP and DGPS data for the area of 81.4313 Ha NFL already verified and authenticated by Principle Chief Conservator of Forests vide. RC.No.6465/2018/FCA2, Dated:12.10.2021.

In view of the above, I request the Principal Chief Conservator of Forest, Hyderabad to authenticate the above works at earliest.

Encl:1.Cross section sheet-5 Nos.  
2.Revised Map-5 Nos

Yours faithfully,



District R&B Officer

Division, Kumrambheem Asifabad

Copy Submitted to the Chief Engineer (R&B) LWE Hyderabad for favour of information

GOVERNMENT OF TELANGANA  
ROADS & BUILDINGS DEPARTMENT

From  
G.Peddaiah, B.E.,  
District (R&B) Officer,  
(Executive Engineer)  
Kumrambheem Asifabad.

To  
District Forest Officer,  
Kumrambheem Asifabad District.

Lr.No.DB/EE Asifabad/R&B/2021-22

Date: 26.05.2022

Sir,

Sub: Diversion of 2.4746 ha (revised from 3.3745 Ha) of FLin Asifabad Division for Construction of BT road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli in favour of Dist R&B Officer, Kumrambheem Asifabad District- Submission of Additional Documents/Clarifications-Req-Reg.

Ref: 1. IRO, MoEF&CC, Hyd-F.No.4-TSB249/2022-HYD/441, Dated: 11.04.2022.  
2. Prl. C.C.F., TS Hyderabad,Rc.No. 15695/2020/FCA-2, Dated: 19.04.2022  
3. CE (R&B), Admin,QC,RR,D&P, LWE & RSW; ENDO. No.  
LWE/EE(LWE)/DEE(LWE)AEE1/2022-23, Dated: 13.04.2022.

\* \* \* \* \*

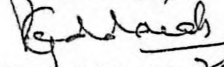
Anent to the reference cited, I am here to submit the following additional information/clarifications for further consideration of proposals of Construction of BT road from Kharji to Loha from km 0/0 to 4/719 of Dahegaon Mandal of Girelli.

1. Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.  
Reply:Cross section sheet enclosed.
2. Revised map, kml file and map etc for an area of 2.4746 ha non forest area proposed for CA purpose shall be uploaded in the online application.  
Reply:Revised map enclosed, kml file and map uploaded in the online application.
3. MAP and DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be furnished.  
Reply:MAP and DGPS data for the area of 81.4313 Ha NFL already verified and authenticated by Principle Chief Conservator of Forests vide. RC.No.6465/2018/FCA2, Dated:12.10.2021.

In view of the above, I request the Principal Chief Conservator of Forest, Hyderabad to authenticate the above works at earliest.

Encl:1.Cross section sheet-5 Nos.  
2.Revised Map-5 Nos

Yours faithfully,

  
District R&B Officer 26/5/22

Division, Kumrambheem Asifabad

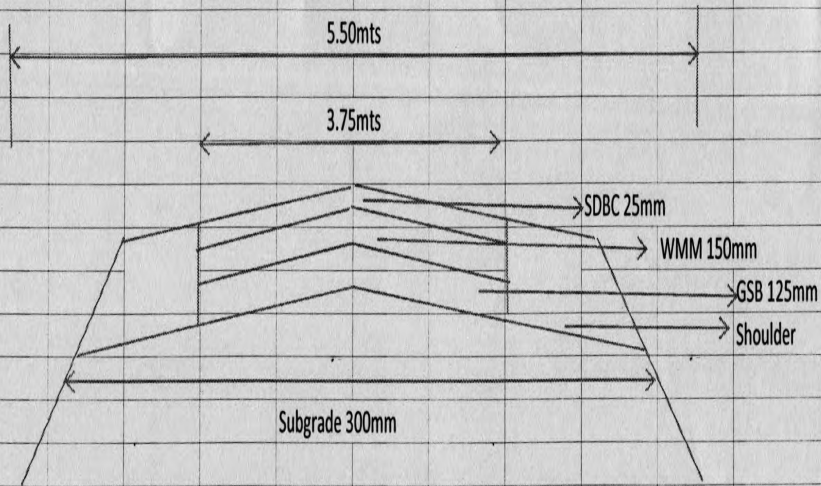
Copy Submitted to the Chief Engineer (R&B) LWE Hyderabad for favour of information

**Name of Work: Construction of BT road from Kharji to Loha in Kumarambheem Asifabad District**

**Cross Section Details**

Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.

**Reply:** Road designed with CBR 5% and Traffic (T4). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.



SDBC Semi dense Bituminous Concrete

WMM Wet Mix Macadem

GSB Granular Sub base

*[Signature]*  
Assistant Executive Engineer

(R&B) Section, Kowtala

*[Signature]*  
Deputy Executive Engineer

(R&B) Sub Division, Kaghaznagar

*[Signature]*  
District R&B Officer

Executive Engineer

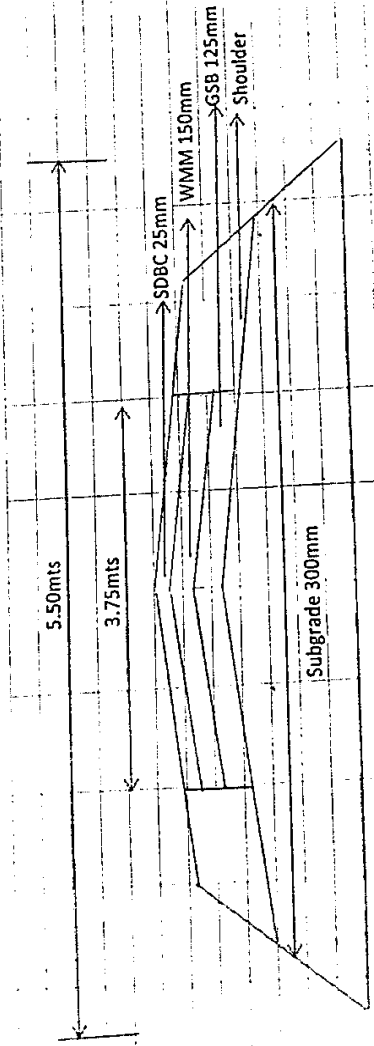
Kumrambheem Asifabad

Name of Work: Construction of BT road from Kharji to Loha in Kumarambheem Asifabad District

Cross Section Details

Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.

Reply: Road designed with CBR 5% and Traffic (T4). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.



- SDBC Semi dense Bituminous Concrete
- WMM Wet Mix Macadem
- GSB Granular Sub base

*[Signature]*  
 Assistant Executive Engineer  
 (R&B) Section, Kowtrala

*[Signature]*  
 District R&B Officer  
 Executive Engineer  
 Kumrambheem Asifabad

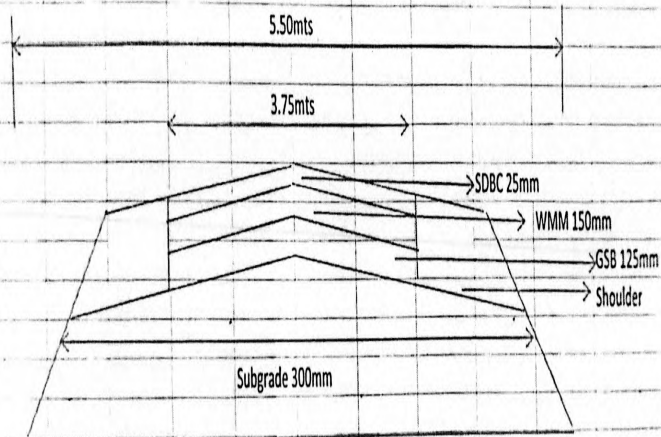
Deputy Executive Engineer  
 (R&B) Sub Division, Kaghanagar

Name of Work: Construction of BT road from Kharji to Loha in Kumarambheem Asifabad District

Cross Section Details

Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.

Reply: Road designed with CBR 5% and Traffic (T4). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.



SDBC Semi dense Bituminous Concrete

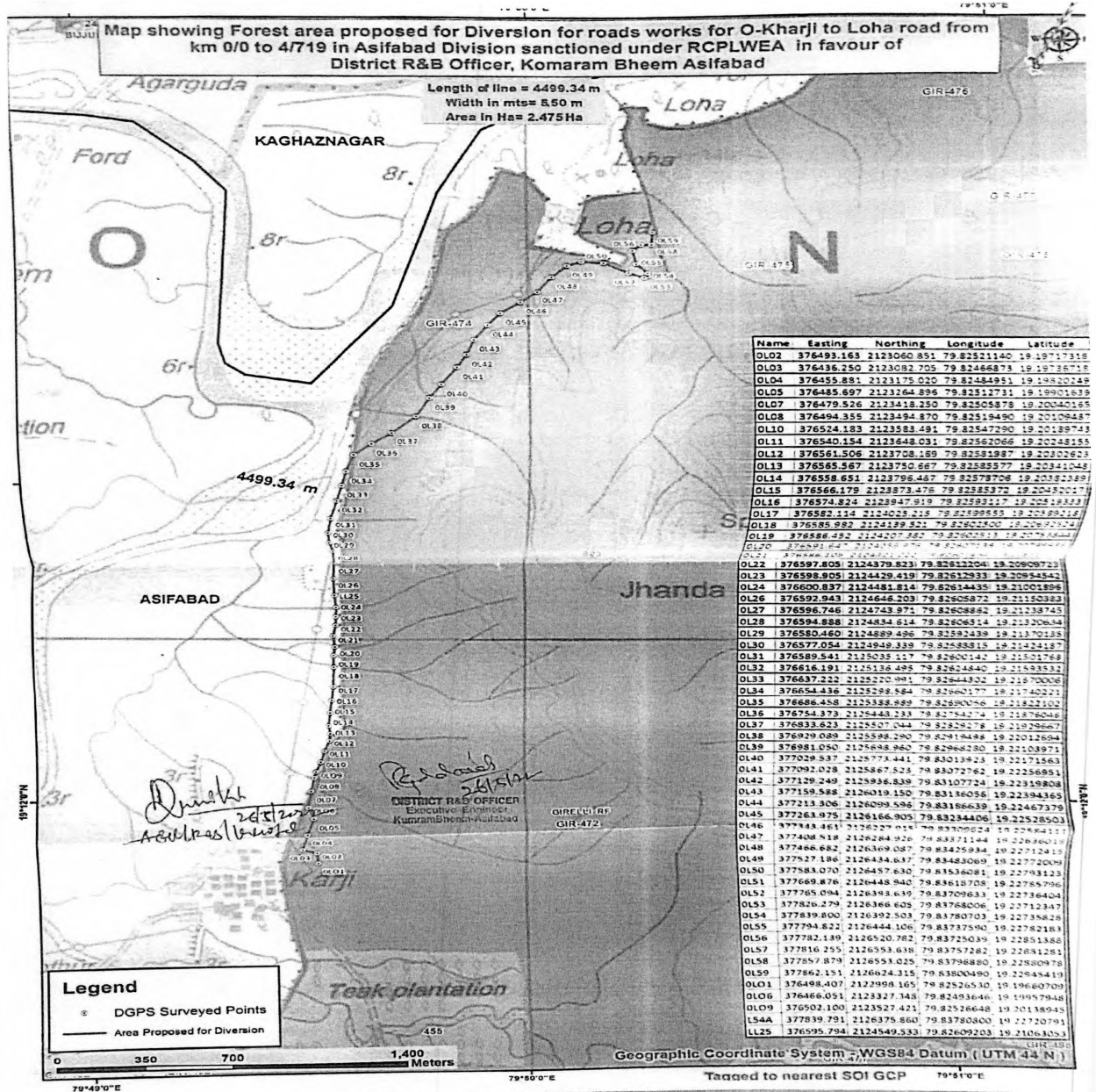
WMM Wet Mix Macadem

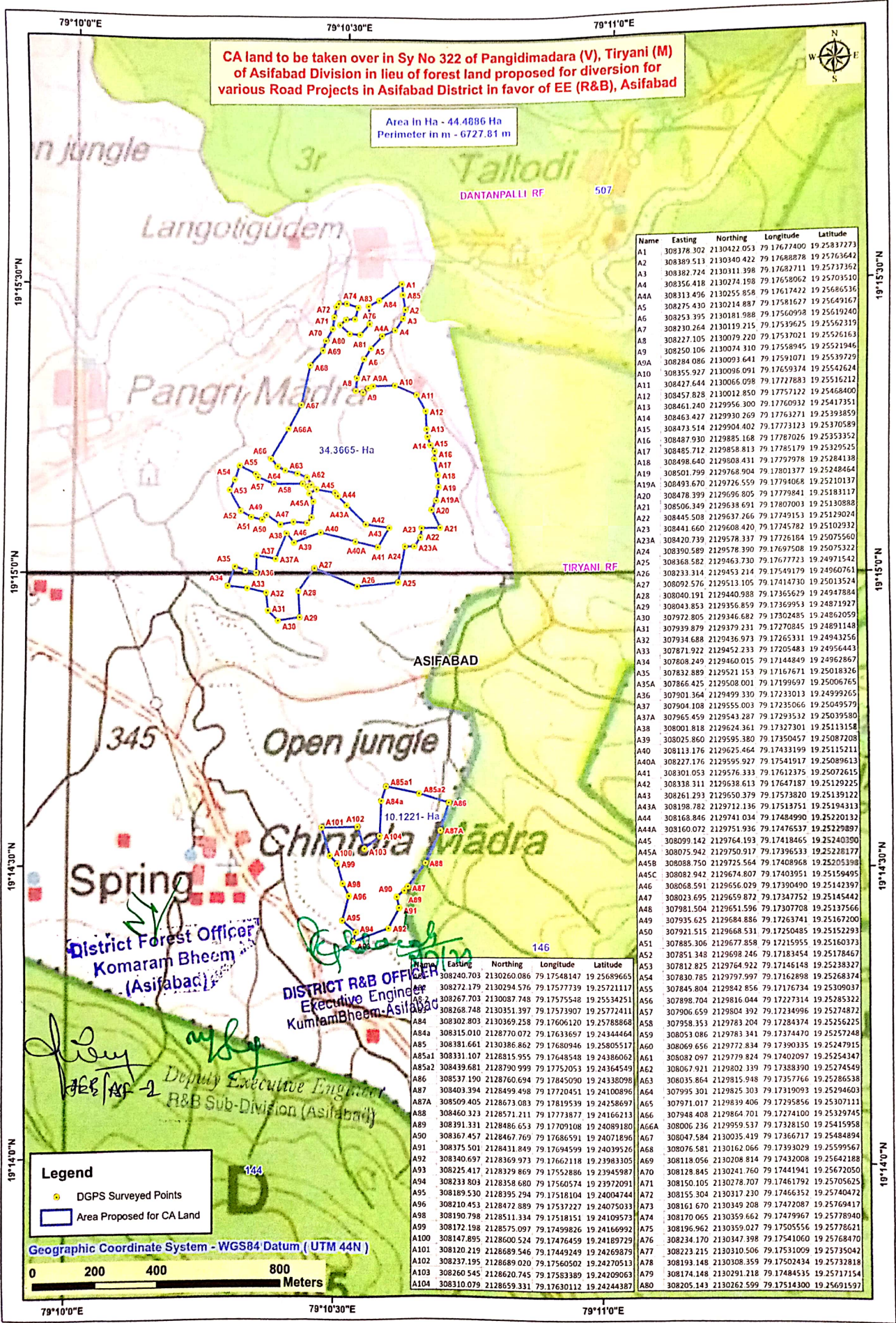
GSB Granular Sub base

*[Signature]*  
Assistant Executive Engineer  
(R&B) Section, Kowtala

Deputy Executive Engineer  
(R&B) Sub Division, Kaghaznagar

*[Signature]*  
District R&B Officer 21/5/22  
Executive Engineer  
Kumrambheem Asifabad





**CA land to be taken over in Sy No 322 of Pangdimadara (V), Tiryani (M) of Asifabad Division in lieu of forest land proposed for diversion for various Road Projects in Asifabad District in favor of EE (R&B), Asifabad**

Area In Ha - 44.4886 Ha  
Perimeter in m - 6727.81 m

Name Easting Northing Longitude Latitude

A1	308378.302	2130422.051	79.17677400	19.25837273
A2	308389.513	2130340.422	79.17688878	19.25763642
A3	308382.724	2130311.398	79.17682711	19.25737362
A4	308356.418	2130274.198	79.17658062	19.25703510
AAA	308313.496	2130255.858	79.17617422	19.25686536
A5	308275.430	2130214.887	79.17581627	19.25649167
A6	308253.395	2130181.988	79.17560998	19.25619240
A7	308230.264	2130119.215	79.17539625	19.25562319
A8	308227.105	2130079.220	79.17537021	19.25526163
A9	308250.106	2130074.310	79.17558945	19.25521946
A9A	308284.086	2130093.641	79.17591071	19.25539729
A10	308355.927	2130095.091	79.17659374	19.25542624
A11	308427.644	2130066.098	79.17727883	19.25516212
A12	308457.828	2130012.850	79.17751222	19.25468400
A13	308461.240	2129956.300	79.17760932	19.25417351
A14	308463.427	2129930.269	79.17763271	19.25393859
A15	308473.514	2129904.402	79.17773123	19.25370589
A16	308487.930	2129885.168	79.17787026	19.25353352
A17	308485.712	2129858.813	79.17785179	19.25329525
A18	308498.640	2129808.431	79.17797978	19.25284138
A19	308501.799	2129768.904	79.17801377	19.25248464
A19A	308493.670	2129726.559	79.17794068	19.25210137
A20	308478.399	2129696.805	79.17779841	19.25183117
A21	308506.349	2129638.691	79.17807003	19.25130888
A22	308445.508	2129637.266	79.17749153	19.25129024
A23	308441.660	2129608.420	79.17745782	19.25102932
A23A	308420.739	2129578.337	79.17726184	19.25075560
A24	308390.589	2129578.390	79.17697508	19.25075322
A25	308368.582	2129463.730	79.17677723	19.24971542
A26	308233.314	2129453.214	79.17549179	19.24960761
A27	308091.576	2129513.105	79.17414730	19.25013524
A28	308040.191	2129440.988	79.17365629	19.24947884
A29	308043.853	2129356.859	79.17369953	19.24871927
A30	307972.805	2129346.682	79.17302485	19.24862059
A31	307939.879	2129379.231	79.17270845	19.24891148
A32	307934.688	2129436.973	79.17265331	19.24943256
A33	307871.922	2129452.233	79.17205483	19.24956443
A34	307808.249	2129460.015	79.17144849	19.24962867
A35	307832.889	2129521.153	79.17167671	19.25018326
A35A	307866.425	2129508.001	79.17199697	19.25006765
A36	307901.364	2129499.330	79.17233013	19.24999265
A37	307904.108	2129555.003	79.17235066	19.25049579
A37A	307965.459	2129543.287	79.17293532	19.25039580
A38	308001.818	2129624.361	79.17327301	19.25113158
A39	308025.860	2129595.380	79.17350457	19.25087208
A40	308113.176	2129625.464	79.17431399	19.25152111
A40A	308227.176	2129595.927	79.17451917	19.25089613
A41	308301.053	2129576.333	79.17612375	19.25072615
A42	308338.311	2129638.613	79.17647187	19.25129225
A43	308261.293	2129650.379	79.17573820	19.25139122
A43A	308198.782	2129712.136	79.17513751	19.25194313
A44	308168.846	2129741.034	79.17484990	19.25220132
A44A	308160.072	2129751.936	79.17476537	19.25229897
A45	308099.142	2129764.193	79.17418465	19.25240300
A45A	308075.942	2129750.917	79.17396533	19.25228177
A45B	308088.750	2129725.564	79.17408968	19.25205398
A45C	308082.942	2129674.807	79.17403951	19.25159495
A46	308068.591	2129656.029	79.17390490	19.25142397
A47	308023.695	2129659.872	79.17377752	19.25145442
A48	307981.504	2129651.596	79.17307708	19.25137566
A49	307935.625	2129684.886	79.17263741	19.25167200
A50	307921.515	2129668.531	79.17250485	19.25152293
A51	307885.306	2129677.858	79.17215955	19.25160373
A52	307851.348	2129698.242	79.17183454	19.25178467
A53	307812.825	2129764.922	79.17146148	19.25238327
A54	307830.785	2129797.997	79.17162898	19.25268374
A55	307845.804	2129842.856	79.17176734	19.25309017
A56	307898.704	2129816.044	79.17227314	19.25285322
A57	307906.659	2129804.392	79.17234996	19.25274872
A58	307958.353	2129783.204	79.17284374	19.25256225
A59	308053.086	2129783.341	79.17374470	19.25257248
A60	308069.656	2129772.834	79.17390335	19.25247915
A61	308082.097	2129779.824	79.17402097	19.25254347
A62	308067.921	2129802.339	79.17428390	19.25274549
A63	308035.864	2129815.948	79.17357766	19.25286538
A64	307995.301	2129825.303	79.17319093	19.25294603
A65	307971.017	2129839.406	79.17295856	19.25307111
A66	307948.408	2129864.701	79.17274100	19.25329745
A66A	308006.236	2129959.537	79.17328150	19.25415958
A67	308047.584	2130035.419	79.17366717	19.25484894
A68	308076.581	2130162.066	79.17393209	19.25599567
A69	308118.056	2130208.814	79.17432028	19.25642188
A70	308128.845	2130241.760	79.17441941	19.25672050
A71	308150.105	2130278.707	79.17461792	19.25705625
A72	308155.304	2130317.230	79.17466352	19.25740472
A73	308161.670	2130349.208	79.17472087	19.25769417
A74	308170.065	2130359.662	79.17479967	19.25778940
A75	308196.962	2130359.027	79.17505556	19.25778621
A76	308234.170	2130347.398	79.17541060	19.25768470
A77	308223.215	2130310.506	79.17531009	19.25735042
A78	308193.148	2130308.359	79.17502434	19.25732818
A79	308174.348	2130291.219	79.17483535	19.25717154
A80	308205.143	2130262.599	79.17514300	19.25691597

DISTRICT R&B OFFICER  
Executive Engineer  
Kumaram Bheem-Asifabad

District Forest Officer  
Komaram Bheem  
(Asifabad)

Deputy Executive Engineer  
R&B Sub-Division (Asifabad)

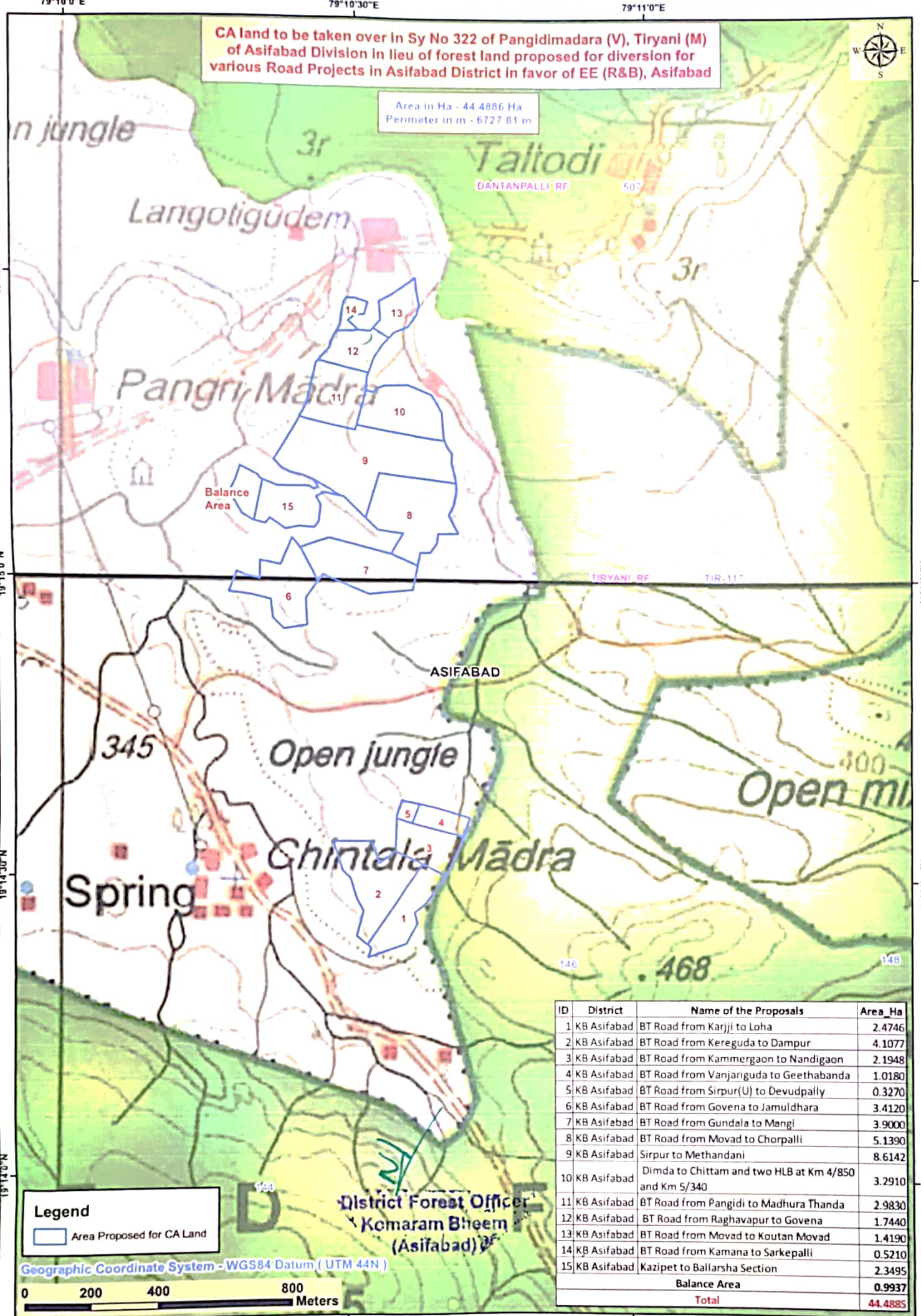
Legend  
● DGPS Surveyed Points  
□ Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)

0 200 400 800 Meters

CA land to be taken over in Sy No 322 of Pangdimadara (V), Tiryani (M) of Asifabad Division in lieu of forest land proposed for diversion for various Road Projects in Asifabad District in favor of EE (R&B), Asifabad

Area in Ha - 44,488.6 Ha  
Perimeter in m - 6727.81 m



**Legend**  
 Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum ( UTM 44N )

0 200 400 800 Meters

**District Forest Officer**  
**Komaram Bheem**  
**(Asifabad)**

ID	District	Name of the Proposals	Area_Ha
1	KB Asifabad	BT Road from Karjji to Loha	2.4746
2	KB Asifabad	BT Road from Kereguda to Dampur	4.1077
3	KB Asifabad	BT Road from Kammergaon to Nandigaon	2.1948
4	KB Asifabad	BT Road from Vanjariguda to Geethabanda	1.0180
5	KB Asifabad	BT Road from Sirpur(U) to Devudpally	0.3270
6	KB Asifabad	BT Road from Govena to Jamuldhara	3.4120
7	KB Asifabad	BT Road from Gundala to Mangli	3.9000
8	KB Asifabad	BT Road from Movad to Chorpalli	5.1390
9	KB Asifabad	Sirpur to Methandani	8.6142
10	KB Asifabad	Dimda to Chittam and two HLB at Km 4/850 and Km 5/340	3.2910
11	KB Asifabad	BT Road from Pangidi to Madhura Thanda	2.9830
12	KB Asifabad	BT Road from Raghavapur to Govena	1.7440
13	KB Asifabad	BT Road from Movad to Koutan Movad	1.4190
14	KB Asifabad	BT Road from Kamana to Sarkepalli	0.5210
15	KB Asifabad	Kazipet to Ballarsha Section	2.3495
<b>Balance Area</b>			<b>0.9937</b>
<b>Total</b>			<b>44.4885</b>

79°10'0"E

79°10'30"E

79°11'0"E

CA land to be taken over in Sy No 322 of Pangidimadara (V), Tiryani (M) of Asifabad Division in lieu of forest land proposed for diversion for various Road Projects in Asifabad District in favor of EE (R&B), Asifabad



Area in Ha - 44.4886 Ha  
Perimeter in m - 6727.81 m

19°15'30"N

19°15'30"N

19°15'0"N

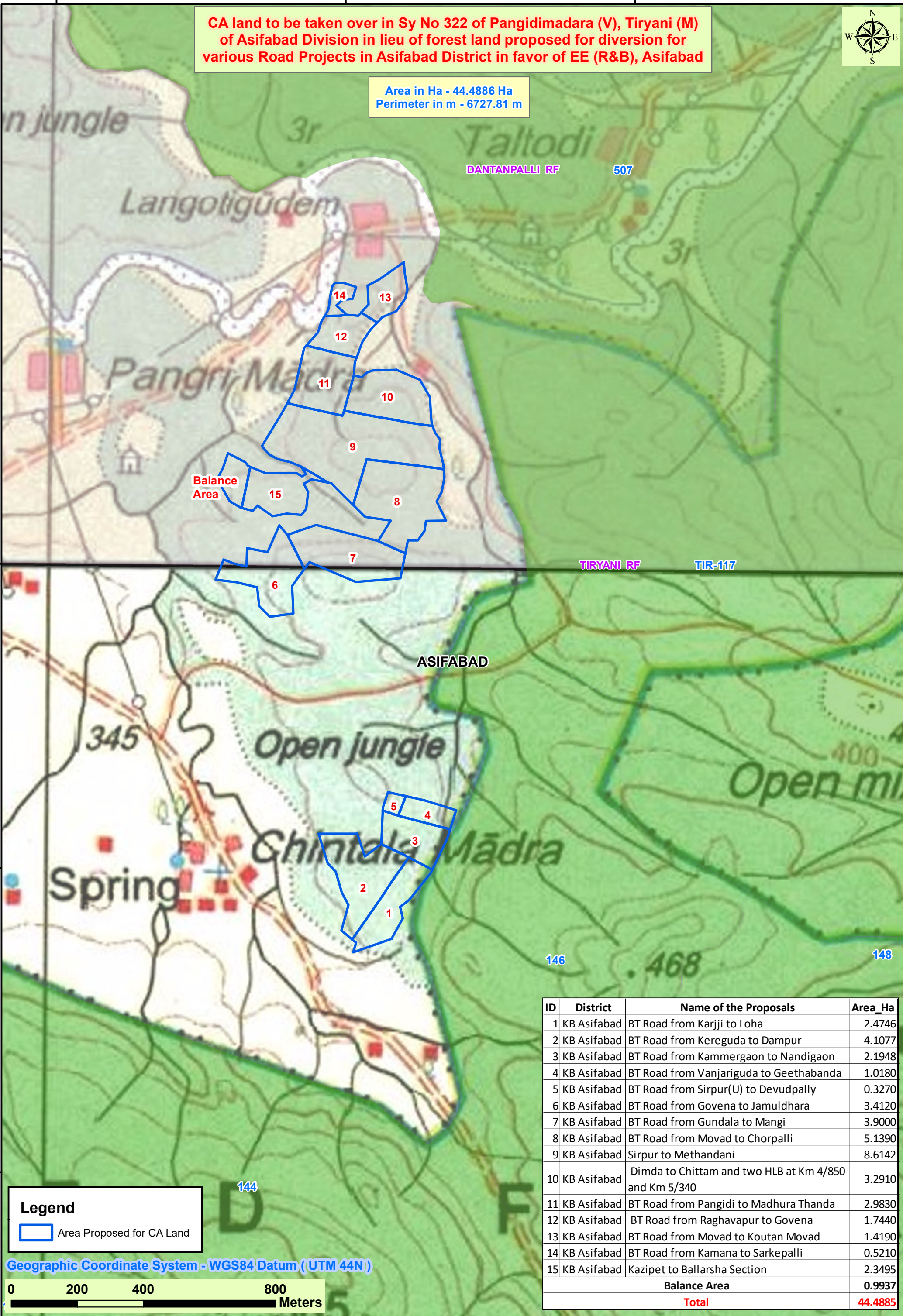
19°15'0"N

19°14'30"N

19°14'30"N

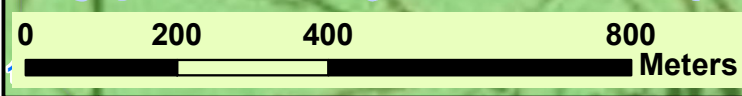
19°14'0"N

19°14'0"N



**Legend**  
Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum ( UTM 44N )



ID	District	Name of the Proposals	Area_Ha
1	KB Asifabad	BT Road from Karjji to Loha	2.4746
2	KB Asifabad	BT Road from Kereguda to Dampur	4.1077
3	KB Asifabad	BT Road from Kammergaon to Nandigaon	2.1948
4	KB Asifabad	BT Road from Vanjariguda to Geethabanda	1.0180
5	KB Asifabad	BT Road from Sirpur(U) to Devudpally	0.3270
6	KB Asifabad	BT Road from Govena to Jamuldhara	3.4120
7	KB Asifabad	BT Road from Gundala to Mangi	3.9000
8	KB Asifabad	BT Road from Movad to Chorpalli	5.1390
9	KB Asifabad	Sirpur to Methandani	8.6142
10	KB Asifabad	Dimda to Chittam and two HLB at Km 4/850 and Km 5/340	3.2910
11	KB Asifabad	BT Road from Pangidi to Madhura Thanda	2.9830
12	KB Asifabad	BT Road from Raghavapur to Govena	1.7440
13	KB Asifabad	BT Road from Movad to Koutan Movad	1.4190
14	KB Asifabad	BT Road from Kamana to Sarkepalli	0.5210
15	KB Asifabad	Kazipet to Ballarsha Section	2.3495
<b>Balance Area</b>			<b>0.9937</b>
<b>Total</b>			<b>44.4885</b>

79°10'0"E

79°10'30"E

79°11'0"E

**F.No.6-161/2022 WL**  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Wildlife Division)

2<sup>nd</sup> Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi 110003.

Date: 7<sup>th</sup> February, 2023

To,

**The Principal Secretary,**  
Forest Department,  
Aranya Bhavan, Saifabad,  
Hyderabad 500004.

**Sub:** Proposal for use of 2.4746 ha of forest land falling within tiger corridor landscape of Kawal Tiger Reserve (delineated by Government of Telangana) connecting it with Indravati and Tadoba Andhari Tiger Reserve for construction of BT road from Karji to Loha from km 0/0 to 4/719 of Dehegaon Mandal in Girelli RF in Asifabad, Telangana-FP/TG/ROAD/119541/2021.

Sir,

Reference is invited to the subject mentioned above. The above proposal was discussed in the 71<sup>st</sup> Meeting of the Standing Committee of the National Board for Wild Life held on 29<sup>th</sup> December, 2022 under the Chairmanship of Hon'ble Minister for Environment, Forest & Climate Change.

2. After discussions, the Standing Committee decided to recommend the proposal subject to the following conditions:

1. The maximum vehicular speed on the above roads shall be prescribed as 30 kmph and it shall be ensured that this is implemented strictly and speed breakers are laid at regular intervals on the road stretches in forest areas.
2. Movement of vehicles shall be restricted during the night hours from 9.00 PM to 6.00 AM to avoid accidental death of animals and minimize disturbance to wildlife habitat.
3. Provision of Salt Licks and Saucer pits nearer to the under passes would ensure the usage of the under pass by the Wild animals.
4. Regular monitoring of the movement of Wildlife near the under passes can be ensured by installing camera traps in the under passes.
5. As per the specifications issued by WII a minimum of two passage ways per Km length of the Infrastructure with a minimum of 30.00 m width



and 3.00 m height shall be incorporated in animal passage plan to be implemented by the User Agency.

6. The User Agency as a part of the wild animal passage plan shall construct nine (09) under passes as per the dimensions and at the locations indicated in the Animal Passage Plan prepared by the forest Divisional Officer/District Forest Officer concerned following the specifications issued by the Wildlife Institute of India, Dehradun.
7. The underpasses shall have bell-mouth opening with splayed wing walls at both ends with grasses, herbs and shrubs to facilitate movement of wild animals.
8. Chain link fencing shall be installed for a length of 100 m on either side of the underpasses on either side of the under passes on either side of the road which shall be periodically maintained by the User Agency.
9. The user agency shall install speed control devices with proper sign boards at animal crossing points identified by the FDO.
10. The following mitigation plan as recommended by CCF/CF, Adilabad is approved for Rs.131.00 lakhs.

Sl. No	Name of the item	Unit Cost	Qty.	Amt. (in Rs. Lakhs)
1.	Engaging animal trackers (5 No.for 3 years @ 9,000 per month per person)	0.09 per month per person	5 No	16.20
2.	Erection of check gates to control wildlife entering to road along with chain link fencing for 50 m on either side of the check gate to curb movement of domestic animals and trespassers	0.45 each	10 No	4.50
3.	Construction of solar powered percolation tanks along with drilling of the borewells	6.00 each	3 No	18.00
4.	Integrated camping site-Creation of water sources by constructing major percolation tank (cost Rs.5.00 lakh) along with drilling and installation of two Solar Powered Borewells (Cost Rs.3.50 Lakh each) to fill the pumps along with a watch tower cum camping site.	20.00 each	2 No.	40.00
5.	Management of Grasslands by uprooting obnoxious weeds and sowing locally collected grass seeds (including maintenance for 3 years)	0.40 per ha	30 ha	12.00



6	Raising of fodder plots with chain link fencing	2.50 per ha	4 ha	10.00
7	Procurement of camera traps	0.25 each	20 Nos	5.00
8	Development of approach path each to the integrated camping facility	LS	LS	1.00
9	Procurement of equipment like GPS, Binoculars etc., to monitor wildlife	LS	LS	1.00
10	Installation of large hoardings	1.00 each	4 No.	4.00
11	Conducting awareness programmes	0.25 each	4 No.	1.00
12	Creation of fire lines and maintenance for 3 years	0.25 per km	20 km	5.00
13	Engaging fire watchers (5 No. for 3 years @9,000 per month per person for five months in an year)	0.09 per month per person	5 No	6.75
14	Mitigating human animal conflict issues	LS	LS	3.00
15	Transport of prey species from NZP, Hyderabad or MHVNP to prey deficient areas	0.02 each	1.00	1.00
16	Administrative cost & unforeseen expenditure	As per actuals	LS	2.55
Total				131

11. The works shall be carried out only between 8.00 AM to 4.00 PM without disturbing/damaging the flora and fauna of the area.
12. No labour camp shall be set up during the execution of work.
13. All the debris at the site of construction of under passes shall be removed after construction.
14. Care shall be taken to ensure no incidents of fire occur in the forest area. No explosives to be used.
15. There shall be no violation of Forest Act, Forest Conservation Act or Wildlife (Protection) Act, during the execution of work. If already committed, the violation has to be resolved under the Forest Conservation Act, 1980.
16. Any other condition specified by the circle head/DFO/FDO shall be complied with.
17. The mitigation amount of Rs.131.00 lakh shall be deposited in the BIOSOT account of Chief Wildlife Warden in Union Bank, Secretariat Branch, Hyderabad bearing A/c No.110310100030284, IFSC Code UBIN0811033.

18. Telangana Forest Department has already proposed nine animal passages, each of length of 30 m and height of 3 m along the stretch of the road passing through the forest for which widening has been proposed. For facilitating the dispersal of wildlife, the height of the proposed animal passages should be increased to 4 meter (four meter).
  19. As proposed by Telangana Forest Department, chain link fencing (not barbed wire) should be done by the user agency for 100 m on either side of the animal passages on both sides of the road for funnelling wildlife through the animal passages.
  20. The animal passages should be concrete (RCC) structures so as to enhance their longevity and minimize disturbances caused during annual repair / maintenance of otherwise bitumen structures. The bottom of structures should, as far as possible, have similar substrates to that which would occur naturally in the absence of the structure. The approach to an animal crossing is a crucial factor in determining its use. Appropriate use of vegetation (trees, shrubs and grasses) can play a significant role in enhancing the naturalness of an engineered structure.
  21. User Agency should ensure that no drainage is blocked by desilting the existing water passageways and additional culvert(s) for passage of water may be provided wherever applicable.
  22. The remaining portion of the road should be provided with speed breakers and rumble strips as appropriate. Sign posts warning about movements of wild animals should also be placed by the user agency at regular intervals along the widened road.
  23. Construction work should be during daytime and no night camp of labours and contractor / user agency officials inside the forest should be allowed.
  24. Construction materials (including top soil) should be procured from outside the forest area. The debris should be appropriately dumped outside the forest by user agency taking due care of air/dust pollution.
  25. The CWLW, Telangana should have appropriate mechanism in place for compliance of the conditions laid in this report during various phases of project implementation.
  26. The animal passage plan submitted along with the proposal shall be implemented in toto.
  27. An annual compliance certificate on the stipulated conditions shall be submitted by the project proponent to the State Chief Wild Life Warden and an annual compliance certificate shall be submitted by the State Chief Wild Life Warden to Government of India.
3. The minutes of the meeting have been posted online in the "PARIVESH" portal of this Ministry.



Yours faithfully,



**(Dr. Sudheer Chintalapati)**  
Scientist 'E'  
**Email:** adwl-mefcc@gov.in

**Copy to:**

1. Chief Wild Life Warden, Forest Department, Aranya Bhavan, Saifabad, Hyderabad 50004.
2. Inspector General of Forests, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Aranya Bhavan, 3<sup>rd</sup> Floor, Saifabad, Hyderabad-500004, Telangana.
3. Inspector General of Forests, FC Division, MoEF&CC.
4. Joint Secretary, IA Division, MoEF&CC.



**(Dr. Sudheer Chintalapati)**  
Scientist 'E'  
**Email:** adwl-mefcc@gov.in

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) Divsion, 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 ( addresssed to the Prl.C.C.F., Aranya Bhavan, Hyderaabad).
  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.

\*\*\*\*\*

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 Mancherial

**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 Mancherial

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	Cirele	District	Name of the Proposals	CA land required in Ha
1	Adilabad	KB-Asifabad	Sirpur to Methandani	8.6142
2	Adilabad	KB-Asifabad	BT Road from Raghavapur to Govena	1.744
3	Adilabad	KB-Asifabad	BT Road from Govena to Jamuldhara	3.412
4	Adilabad	KB-Asifabad	BT Road from Kereguda to Dampur	4.1077
5	Adilabad	KB-Asifabad	BT Road from Gundala to Mangi	3.9
6	Adilabad	KB-Asifabad	BT Road from Kamana to Sarkepalli	0.521
7	Adilabad	KB-Asifabad	BT Road from Vanjariguda to Geethabanda	1.018
8	Adilabad	KB-Asifabad	BT Road from Movad to Chorpalli	5.139
9	Adilabad	KB-Asifabad	BT Road from Movad to Koutan Movad	1.419
10	Adilabad	KB-Asifabad	BT Road from Sirpur (U) to Devudpally	0.327
11	Adilabad	KB-Asifabad	BT Road from Pangidi to Madhura Thanda	2.983
12	Adilabad	KB-Asifabad	HLB on Dimda to Chittam at km 4/850 km 5/340	3.291
13	Adilabad	KB-Asifabad	Kazipet to Ballarsha Section	2.3495
14	Adilabad	KB-Asifabad	BT Road from Kammergaon to Nadigaon	2.1948
15	Adilabad	KB-Asifabad	BT Road from Karji to Loha	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.

<b>Year</b>	<b>Proposed works</b>
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	<ol style="list-style-type: none"> <li>1) Protection works of NFL with Boundary pillars</li> <li>2) Maintenance of Fire Lines</li> <li>3) SMC works for NFL</li> <li>4) Purchase of bag plants and Conversion of Nursery</li> <li>5) Maintenance of Nursery</li> <li>6) Raising of Plantations</li> <li>7) Animal Trackers</li> <li>8) Stabilization of CPT</li> <li>9) Base camp</li> </ol>
2026-27	<p>Cultural Operations.  Base camp  Maintenance of New Fire Lines  Maintenance of Nursery  1<sup>st</sup> Year maintenance of plantation  Animal trackers</p>
2027-28	<p>2nd Year maintenance of plantation  Animal trackers  Maintenance of Fire Lines  Base camp</p>
2028-29	<p>3rd Year maintenance of plantation  Cultural Operations.  Maintenance of Fire Lines  Animal trackers  Base camp</p>
2029-30	<p>4th Year maintenance of plantation  Maintenance of Fire Lines  Animal trackers</p>
2030-31	<p>5th Year maintenance of plantation  Cultural Operations.  Maintenance of Fire Lines  Animal trackers</p>
2031-32	<p>6th Year maintenance of plantation  Maintenance of Fire Lines  Animal trackers</p>
2032-33	<p>7th Year maintenance of plantation  Cultural Operations.  Maintenance of Fire Lines  Animal trackers</p>
2033-34	<p>8th Year maintenance of plantation  Maintenance of Fire Lines</p>
2034-35	<p>9th Year maintenance of plantation  Cultural Operations.  Maintenance of Fire Lines</p>
2035-36	<p>10th Year maintenance of plantation  Maintenance of Fire Lines</p>

### 3.11 COST STRUCTURE:

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

SI 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**

## 2096658/2023/FCA SECTION-PCCF

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 Diversion of Forest land for (14) Road projects in Asifabad & Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE Scheme of R & B Department.

Sl. No	Item of Work	Phy	Unit Cost 2023-24(Rs.)	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
<b>A</b>	<b>Cultural Operations</b>																				
1	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	1.22485
2	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												
3	Maintanace 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	1.697
5	Fire Watch Tower	LS	1500000	1	1500000	15.000															
	<b>Sub Total:</b>					<b>15.000</b>			<b>2.598</b>			<b>1.275</b>			<b>2.415</b>			<b>1.543</b>			<b>2.922</b>
<b>B</b>	<b>SMC Works</b>																				
6	Construction of Check Dams	No	600000		660000		2.00	726000	14.52	5	728600	15.97									
7	Construction of Percolation Tanks	No	200000		220000		3	242000	7.26	5	266200	13.31									
8	Construction of Mini Percolation Tanks	No	50000		55000		5	60500	3.03	5	66550	3.33									
	<b>Sub Total:</b>					<b>0.000</b>			<b>24.805</b>			<b>32.610</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>C</b>	<b>Protection</b>																				
9	Construction of boundary pillars @40 m interval	No's	10000		11000	0.000	178	12100	21.478	0	13310	0.000									
10	Erection of Chain Link Fencing	km	2200000		2420000	0.000	7.10	2662000	189.002												
11	Construction of Protection Camp	No	800000		880000	0.000	1	968000	9.680												
	<b>Sub Total:</b>					<b>0.000</b>			<b>220.2</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>D</b>	<b>Nursery activities ( including casualities)</b>																				
12	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									
13	Purchase of Gachakaya Bag Plants of size 6"x8" for Revist of Stabillization	Plant	9.773		10.750		7100	13.01	0.924	0.00	14.31	0.000	0	15.74	0.000						
	<b>Sub Total:</b>					<b>2.118</b>			<b>0.924</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
	<b>Nursery Infrastructure</b>																				
	Nursery Infrastructure	Ls			0.000	0	LS	0.000	0.000			0.000			0.000			0			
	<b>Sub Total:</b>				<b>0.000</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>E</b>	<b>Planting activities ( LI method) - (3m x3m) -</b>																				
14	Stabilization of Gachakaya Seedlings	Ha	47700	7.00	52470	3.673	7.10	57717	4.098												
15	Revisit	Ha	47700		52470	0.000	0.00	57717	0.000	7.10	63489	4.508									
	<b>Sub Total:</b>					<b>3.673</b>			<b>4.098</b>			<b>4.508</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>F</b>	<b>Misc - Infrastructure &amp; Admin. Charges</b>																				
16	Monitoring and Awareness - Publicity	LS							2.00000			2.00000			2.000			2.000			2.000
17	Mobility, supervizing and infrastrurure of front line staff for better monitoring of improvement of forests and wildlife	1	4000000	0	4400000	0.000	1	4840000	48.400		5324000	0.000		5856400	0.000		6442040	0.000		7086244	0.000
18	Improvements / Maintenance of Offices	LS			1.000			1.000			1.000			0.500			0.500				0.500
	<b>Sub Total:</b>				<b>1.000</b>			<b>51.400</b>			<b>3.000</b>			<b>2.500</b>			<b>2.500</b>			<b>2.500</b>	
	<b>Total</b>				<b>21.790</b>			<b>303.984</b>			<b>41.392</b>			<b>4.915</b>			<b>4.043</b>			<b>5.422</b>	
<b>D</b>	<b>Adminstrative cost 10% over core activities</b>					2.179		30.398			4.139			0.491			0.404				0.542
	<b>Grand Total</b>					<b>23.969</b>		<b>334.38</b>			<b>45.531</b>			<b>5.406</b>			<b>4.447</b>			<b>5.964</b>	

## 2096658/2023/FCA SECTION-PCCF

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 Diversion of Forest land for (14) Road projects in Asifabad & Kaghnagar Divisions of Kumuram Bheem-Asifabad District under LWE Scheme of R & B Department.

Sl. No	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	
1	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>A</b>	<b>Cultural Operations</b>																								
1	Singling 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
2	Formation of New Fire Lines of 5.00 M width (03.01.04)																						15.00		1.761
3	Maintanace 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
5	Fire Watch Tower																						1		15.000
	<b>Sub Total:</b>			<b>1.867</b>			<b>3.535</b>			<b>2.259</b>			<b>4.278</b>			<b>2.733</b>			<b>5.176</b>			<b>3.307</b>			<b>48.907</b>
<b>B</b>	<b>SMC Works</b>																								
6	Construction of Check Dams																						4		30.492
7	Construction of Percolation Tanks																						8		20.570
8	Construction of Mini Percolation Tanks																						10		6.353
	<b>Sub Total:</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>57.415</b>
<b>C</b>	<b>Protection</b>																								
9	Construction of boundary pillars @40 m interval																						178		21.478
10	Erection of Chain Link Fencing																						7		189.002
11	Construction of Protection Camp																						1		9.680
	<b>Sub Total:</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>220.160</b>
<b>D</b>	<b>Nursery activities ( including casualities)</b>																								
12	Purchase of Gachakaya Bag Plants of size 6"x8" for Planting on th trencg done by user agency																						19250		2.118
13	Purchase of Gachakaya Bag Plants of size 6"x8" for Revist of Stabilization																						7100		0.924
	<b>Sub Total:</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>3.041</b>
	<b>Nursery Infrastructure</b>																								
	Nursery Infrastructure																						0		0.000
	<b>Sub Total:</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>E</b>	<b>Planting activities ( LI method) - (3m x3m) -</b>																								
14	Stabilization of Gachakaya Seedlings																						14.10		7.771
15	Revisit																						7.10		4.508
	<b>Sub Total:</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>12.279</b>
<b>F</b>	<b>Misc - Infrastructure &amp; Admin. Charges</b>																								
16	Monitoring and Awareness - Publicity																								10.000
17	Mobility, supervizing and infrastrurure of front line staff for better monitoring of improvement of forests and wildlife		7794868	0.000		8574355	0.000		9431791	0.000		10374970	0.000		11412467	0.000		12553714	0.000		13809085	0.000		48.400	
18	Improvements / Maintenance of Offices			0.500		0.500			0.500			0.500			0.500			0.500			0.500				8.000
	<b>Sub Total:</b>			<b>0.500</b>		<b>0.500</b>			<b>0.500</b>			<b>0.500</b>			<b>0.500</b>			<b>0.500</b>			<b>0.500</b>				<b>66.400</b>
	<b>Total</b>			<b>2.367</b>		<b>4.035</b>			<b>2.759</b>			<b>4.778</b>			<b>3.233</b>			<b>5.676</b>			<b>3.807</b>				<b>408.201</b>
<b>D</b>	<b>Adminstrative cost 10% over core activities</b>			0.237		0.404			0.276			0.478			0.323			0.568			0.381				40.820
	<b>Grand Total</b>			<b>2.603</b>		<b>4.439</b>			<b>3.035</b>			<b>5.256</b>			<b>3.556</b>			<b>6.244</b>			<b>4.188</b>				<b>449.021</b>

District Forest Officer,  
KumramBheem-Asifabad

392.372

he  
13/2

14.522

0  
0-

20.00

## 2096658/2023/FCA SECTION-PCCF

## 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	
		<b>MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL</b>					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	835.84
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	290.16
3	01.05.04	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/month	5	10846.93	100	542.35
		<b>Total</b>					<b>1668.35</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>3.3367</b>

  
 District Forest Officer  
 KB Asifabad

## 2096658/2023/FCA SECTION-PCCF

## 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	
	<b>01.04.00</b>	<b>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)</b>					
	<b>01.04.01</b>	Watering polybag secondary beds twice a day for 4 months					
1	<b>a</b>	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	338.27	1	1353.08
2	<b>01.04.02</b>	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	<b>01.04.03</b>	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	<b>01.04.05</b>	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
	<b>01.04.06</b>	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	<b>a</b>	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	<b>01.04.07</b>	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	<b>01.05.04</b>	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10846.93	100	433.88
8	<b>01.04.09</b>	Electricity charges			550.00		550.00
		<b>Total</b>					<b>3064.80</b>
9	<b>01.04.08</b>	Contingencies @ 5%					<b>153.24</b>
		<b>2021-22 Total</b>					<b>3218.04</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>6.4361</b>

  
 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 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 secondary 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
		<b>Total</b>					<b>7997.56</b>
10	01.03.38	Contingencies @ 5%					399.878
		<b>Total for 500 plants</b>					<b>8397.44</b>
		<b>cost of each plant</b>					<b>16.7949</b>

  
 District Forest Officer  
 KB Asifabad

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

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		Area in Ha/Km. :	1.00	KM				
<b>First year operations in ANR areas</b>								
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 <b>3450 Nos</b>	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

## 2096658/2023/FCA SECTION-PCCF

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
			4	5		7	8	
1	2	3	4	5	6	7	8	9
2		<b>(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart ( Bag Planting)</b>						
		(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		<b>(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)</b>						
		(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		<b>(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff</b>						0
		<b>Total</b>						<b>46911</b>

2023-24

P. KM

47700

  
 District Forest Officer  
 KB Asifabad

## 2096658/2023/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																							
<b>A</b>	<b>Nursery activities (including casualities)</b>																							
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									
	<b>Sub Total:</b>					<b>0.000</b>			<b>19.696</b>			<b>14.109</b>			<b>9.562</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
	<b>Nursery Infrastructure</b>																							
4	Nursery Infrastructure	Ls			0.000		1	LS	15 000			5.000			0			0						
	<b>Sub Total:</b>				<b>0.000</b>				<b>15.000</b>			<b>5.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>B</b>	<b>Planting activities (SMM) - (3m x3m) - 45.00 Ha</b>																							
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																					
	<b>Sub Total:</b>					<b>0.000</b>			<b>25.002</b>			<b>67.531</b>			<b>29.155</b>			<b>24.520</b>			<b>14.715</b>			<b>16.187</b>
<b>C</b>	<b>Forest Protection</b>																							
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												
	<b>Sub Total:</b>					<b>0.000</b>			<b>22.828</b>			<b>17.946</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>D</b>	<b>Administrative Cost - 10% over DFL Activities</b>					<b>0.000</b>			<b>6.753</b>			<b>9.959</b>			<b>3.872</b>			<b>2.452</b>			<b>1.472</b>			<b>1.619</b>
	<b>Total of DFL</b>					<b>0.000</b>			<b>89.279</b>			<b>114.545</b>			<b>42.588</b>			<b>26.972</b>			<b>16.187</b>			<b>17.805</b>

## 2096658/2023/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	Unit Cost (Rs.)	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	
	<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			43.367	
	<b>Nursery Infrastructure</b>																						
4	Nursery Infrastructure																				1	20.000	
	<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000			20.000	
B	<b>Planting activities (SMM) - (3m x3m) - 45.00 Ha</b>																						
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
	<b>Sub Total:</b>			9.956			2.185			12.047			2.644			14.577			3.200			45.00	221.720
C	<b>Forest Protection</b>																						
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
	<b>Sub Total:</b>			0.000			0.000			0.000			0.000			0.000			0.000				40.774
D	<b>Administrative Cost - 10% over DFL Activities</b>			0.996			0.219			1.205			0.264			1.458			0.320				30.59
	<b>Total of DFL</b>			10.952			2.404			13.252			2.909			16.035			3.519				356.447

District Forest Officer,  
KumramBheem-Asifabad

14.52

309.885

## 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	
		<b>MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL</b>					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	835.84
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	290.16
3	01.05.04	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/month	5	10846.93	100	542.35
		<b>Total</b>					<b>1668.35</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>3.3367</b>

  
 District Forest Officer  
 KB Asifabad

## 2096658/2023/FCA SECTION-PCCF

## 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	
	<b>01.04.00</b>	<b>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)</b>					
	<b>01.04.01</b>	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	<b>01.04.02</b>	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	<b>01.04.03</b>	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	<b>01.04.05</b>	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
	<b>01.04.06</b>	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	<b>01.04.07</b>	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	<b>01.05.04</b>	<b>Cost of Protection:</b> One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10846.93	100	433.88
8	<b>01.04.09</b>	Electricity charges			550.00		550.00
		<b>Total</b>					<b>3064.80</b>
9	<b>01.04.08</b>	Contingencies @ 5%					<b>153.24</b>
		<b>2021-22 Total</b>					<b>3218.04</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>6.4361</b>

  
 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).					
		<b>Cost and Transport of ingredients for Potting Mixture:</b> 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	<b>Transportation of soil mixture ingredients</b>					
		<b>Distance up to 5 km</b>					
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	<b>Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance</b>					
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	<b>Preparation of Potting Mixture</b> 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	<b>Weeding the plants</b> (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		<b>Weeding the plants (2 weedings)</b>	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	<b>Watering the plants manually twice a day</b> (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	<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 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10846.93	100	433.88
8		<b>Cost of the ploythene bags</b>					2500.00
9	01.03.39	Electricity charges					600.00
		<b>Total</b>					<b>7997.56</b>
10	01.03.38	Contingencies @ 5%					399.878
		<b>Total for 500 plants</b>					<b>8397.44</b>
		<b>cost of each plant</b>					<b>16.7949</b>

  
 District Forest Officer  
 KB Asifabad

**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
	<b>Unit Rate for FSR 2021-22</b>				<b>45918</b>

District Forest Officer  
KB Asifabad

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 of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading</b>				
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  
KB Asifabad

## Unit Cost for 1st Year Maintenance of NTSH 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
	<b>Unit Rate for 2021-22</b>				<b>44252</b>

  
 District Forest Officer  
 KB Asifabad

**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 scicature 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>

  
 District Forest Officer  
 KB Asifabad

## 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 sciculture 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>

  
 District Forest Officer  
 KB Asifabad

## 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
	<b>Unit Rate for 2021-22</b>				<b>18459</b>

  
 District Forest Officer  
 KB Asifabad

## 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
	<b>Unit Rate for 2021-22</b>				<b>10322</b>



District Forest Officer  
KB Asifabad

## 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



District Forest Officer  
KB Asifabad

## 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
	<b>Unit Rate for FSR 2021-22</b>				<b>10322</b>

  
 District Forest Officer  
 KB Asifabad

## 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 sciculture 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
<b>Unit Rate for FSR 2021-22</b>					<b>2060</b>

  
 District Forest Officer  
 KB Asifabad

## 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>

District Forest Officer  
KB Asifabad

## 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
<b>Unit Rate for FSR 2021-22</b>					<b>2060</b>

  
 District Forest Officer  
 KB Asifabad

## 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
			<b>Total :</b>				<b>60500</b>
			<b>Add SGST ( 9 % ) :</b>				<b>3630</b>
			<b>Add CGST ( 9 % ) :</b>				<b>3630</b>
			<b>Add CESS ( 1 % ) :</b>				<b>605</b>
			<b>Grand Total :</b>				<b>68365</b>

Or

60000

  
 District Forest Officer  
 KB Asifabad

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

Sl. No.	FSR Item No.	Nature of work	Area in Ha/Km. :		1.00	KM	Per	Amount
1	2	3	4	5	6	7	8	9
		<b>First year operations in ANR areas</b>						
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 spacment (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 spacment (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

## 2096658/2023/FCA SECTION-PCCF

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		<b>(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart ( Bag Planting)</b>						
		(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		<b>(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)</b>						
		(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		<b>(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff</b>						0
		<b>Total</b>						<b>46911</b>
		2021-22				P. KM		<b>47700</b>

District Forest Officer  
KB Asjabad