

GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

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

To
The Principle Chief Conservator of
Forests, & Nodal Officer for FCA,
Telangana State, Aranya Bhavan,
Hyderabad

Rc. No. 17/2021/S4, Dated: .08.2023.

Sir,

Sub :- TSFD- Forest(C) Act, 1980- Diversion of **3.5481 Ha** (revised from 4.070 Ha) of Forest Land for Construction of BT Road from **Dampur to Kereguda** from Km 0/0 to 7/875 via Thatiguda village of Tiryani Mandal, Tiryani RF of Asifabad Forest Division of Kumuram Bheem-Asifabad District under LWE (RCPLWE) Batch-I in favour of Executive Engineer, R&B Division, Asifabad- **Addl. Information sought by GOI (EDS) – Revised map issued – EDS replies submitted -Regarding.**

- Ref:-
1. IRO, MoEF&CC. GoI, Hyderabad Ref.No.4-TSB 251/2022-Hyd/445, Dt: 12.04.2022.
 2. Prl. CCF, TS Hyderabad Rc.No. 15847/2020/FCA-2, Dated: 19.04.2022.
 3. District R&B Officer (EE), KB-Asifabad Rc. No. DB/EE-Asifabad/R&B/EDS/2022-23, Dt: 26.05.2022.
 4. D.F.O., KB-Asifabad Rc.No. 17/2021/S 4, Dated: 27.05.2022.
 5. Prl. CCF, TS Hyderabad Rc.No. FC2/FC09/9/2022 (15847/2020/FCA-2),Dt: 26.10.2022 (Recived on 15.12.2022.)
 6. Prl. CCF, TS Hyd Rc.No. FC1/FC03/33/2023,. Dated: 22.05.2023 (VC on 23.05.2023).
 7. Prl.C.C.F,TS Hyd,Rc.No.FC2/FC09/2/2022/15854/2020/FC-1,dt.02.07.2023.
 8. DFO,KB-Asifabad Rc.No.1577/2020/S4,dt.05.07.2023.
 9. District R&B Officer (EE), KB-Asifabad Rc.No. D(R&B)O/KBASF/R&B/2023-24, Dt: 13.07.2023
 10. Prl. CCF, TS Hyderabad Rc.No. FC2/FC09/9/2022 (15847/2020/FCA-1), Dated: 24.07.2023.
 11. District R&B Officer (EE), KB-Asifabad Rc.No. DB/EE-Asifabad/R&B/EDS/2023-24, Dt: 25.07.2023 (Received on 02.08.2023.)

It is submitted that, the Principal Chief Conservator of Forests (HoFF), Telangana Hyderabad vide reference 10th cited has communicated the revised map of the subject project duly excluding the portion of the road passing through enclosures.

Further, it is submitted that, in compliance to the instructions issued in the reference 1st and 2nd cited above and as per the instructions issued during the Video Conference held on 23.05.2023 conducted by the Principal Chief Conservator of Forests (FCA/ Nodal Officer) O/o the Principal Chief Conservator of Forests (HoFF), Telangana Hyderabad, I am submitting herewith the replies to the Addl. Information sought by GOI (EDS) for the above subject / project and revised map duly signed along with revised enumeration list.

Addl. Information sought by GOI EDS (Essential Details Sought)	Information to be furnished by		Replies
	the District Forest Officer,	User Agency	
2. Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc., may be furnished.		Not uploaded online by User Agency.	It is submitted that, the District R&B Officer, (Executive Engineer), Kumuram Bheem Asifabad vide reference 3 rd cited has submitted the cross section details. (copy of the same is enclosed herewith) and it will be uploaded by the user agency
3. Benefits of blacktopping of the road may be informed and extent of vehicular traffic in the proposed route and number of people get		The User Agency in every meeting is giving justification that these roads are finalized by	It is submitted that, the District R&B Officer, (Executive Engineer), Kumuram Bheem Asifabad vide reference 3 rd cited has stated that, Black topping is an all-weather road is the one which is negotiable during all



benefit out this road may also be provided.		MoHA, GoI to curb LWE activities. The same is not being reflected in the proposal and reply given by the User Agency.	<p>weathers. This provides easy access and faster movement from habitations to mandals, agriculture markets, other farmer related enterprises, higher secondary schools, colleges, hospitals etc., in order to improve the quality life of rural populous.</p> <p>Average Daily Traffic in this route is 92 in 2008-19. This road connects 2 no. of habitations Dampur and Kereguda with population of 454 and 613 respectively. So 1067 people will get benefited out this road.</p> <p>Further it is submitted that, the District R&B Officer, (Executive Engineer), Kumuram Bheem Asifabad vide reference 11th cited has submitted that, the road was identified and sanctioned by the Ministry of Home Affairs (MHA), GoI in consultation with the state home department and intelligence department to combat left wing extremism in the area and the state R&B department has no role in identifying road proposal from Dampur to Kereguda. Improvement of this particular road from Dampur to Kereguda is critical for secure and seamless movement of the security personnel during anti extremist operation. Further, Road connectivity project for the LWE affected areas (RCPLWEA) population of the habitation is not a consideration at all, as the primary objective is providing seamless connectivity, area security and area domination along with smooth movement of security forces in the LWE affected area by construction / up gradation of specifically identified roads.</p>
4. State Government may inform whether or not RoW was allowed for the alignment proposed for diversion and if so, details with supporting documents may be furnished.	Documentary proof for road existing prior to 1980		<p>The proposed road for construction of BT road from Dampur to Kereguda from Km 0/0 to 7/875 via Thatiguda village is an existing cart track.</p> <p>These road is exiting prior to 1980 and it is mapped on SOI (Map sheet No.56M/4)</p> <p>The proposed road is passing through RF Tiryani and there is no Right of Way as per the Gazette Notification.</p>
5. Revised map, kml file and map etc for an area of 4.070 ha non forest area proposed for CA purpose shall be uploaded in the online application.	DGPS verified for revised NFL free from encroachment vide PCCF Ir.dt.02.07.2023 – with instructions to the DFO to prepare CA scheme and also to User agency to furnish Non – Encumbrance certificate and carry out trench along the NFL identified.		<p>It is submitted that, the PCCF vide FC2/FC09/2/2022/15854/2020/FCA1, Dt.02.07.2023 has communicated the details of 44.4886 Ha of CA land in Sy.No.322 of Pangidimadara village of Tiryani Mandal of Asifabad Division of KB Asifabad and the details of 15 road projects including this project to</p>

		<p>which the land was allotted and the user agency will upload the kml file of the same in PARIVESH portal.</p> <p>It is submitted that, the identified NFL land was not suitable for plantation.</p> <p>Hence an area of 45 Ha identified for DFL in compt.No.55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division for this project. The KML file of the same will be uploaded in PARIVESH portal.</p> <p>The CA scheme of the NFL 45.00 Ha and DFL 45 Ha has submitted vide reference 8th cited.</p>
6. MAP and DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be submitted.	DGPS verified for revised NFL free from encroachment vide PCCF Ir.dt.02.07.2023 – with instructions to the DFO to prepare CA scheme and also to User agency to furnish Non – Encumbrance certificate and carry out trench along the NFL identified.	<p>It is submitted that, the PCCF vide FC2/FC09/2/2022/15854/2020/FCA-1, Dt.02.07.2023 has communicated the details of 44.4886 Ha of CA land in Sy.No.322 of Pangidimadara village of Tiryani Mandal of Asifabad Division of KB Asifabad and the details of 15 road projects including this project to which the land was allotted and the user agency will upload the kml file of the same in PARIVESH portal.</p> <p>It is submitted that, the identified NFL land was not suitable for plantation.</p> <p>Hence an area of 45 Ha identified for DFL in compt.No.55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division for this project. The KML file of the same will be uploaded in PARIVESH portal.</p> <p>The CA scheme of the NFL 45.00 Ha and DFL 45 Ha has submitted vide reference 8th cited.</p>
	<p><u>As verified from the .kml uploaded,</u></p> <p>(1) it is noticed that certain length of the road is passing through enclosures (1.218 km) which needs to be deleted,</p> <p>(2) there is a deviation from the existing road in certain stretches which needs to be addressed.</p> <p>(3) the road is ending in the middle of the forest area which needs clarification.</p>	<p>It is submitted that, the District R&B Officer, (Executive Engineer), Kumuram Bheem Asifabad vide reference 9th cited has submitted that, KML file and Topo sheet was prepared by deleting the road which falls in the enclosure for the length of 0.950 km. And the revised map also communicated by Principal Chief Conservator of Forests (HoFF), Telangana Hyderabad vide reference 10th cited.</p> <p>It is submitted that, the District R&B Officer, (Executive Engineer), Kumuram Bheem Asifabad vide reference 11th cited has submitted that, the road was identified and sanctioned by the Ministry of Home Affairs (MHA), GoI in consultation with the state home department and intelligence department to combat left wing</p>

		<p>extremism in the area and the state R&B department has no role in identifying road proposal from Dampur to Kereguda. Improvement of this particular road from Dampur to Kereguda is critical for secure and seamless movement of the security personnel during anti extremist operation. Further, Road connectivity project for the LWE affected areas (RCPLWEA) population of the habitation is not a consideration at all, as the primary objective is providing seamless connectivity, area security and area domination along with smooth movement of security forces in the LWE affected area by construction / up gradation of specifically identified roads.</p>
--	--	--

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, Mancheri for favor of kind information.

District Forest Officer,
KB-Asifabad

ABSTRACT

Division of 3.5481 Ha (revised from 4.070 Ha) of Forest Land for Forest Land for Construction of BT Road from Dampur to Kereguda from Km 0/0 to 7/875 via Thatiguda village of Tiriyani Mandal, Tiriyani RF of Asifabad Forest Division of Kurnuram Bheem-Asifabad District under L WE (RCPL WE) Batch-I in favour of Executive Engineer, R&B Division, Asifabad

Sl. No	Local Name of Tree	Botanical name of tree	Number of trees total	Girth class wise number of trees (CM)					No. of poles	Timber in Cum.	Fuel in Cum.	Total Value Rs.	Remarks if any
				0 to 30	31 to 60	61 to 90	91 to 120	>120					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Teak	Tectonia grandis	54	24	13	14	3	0	27	3.580		284547	
2	Thuniki	Diospyros melanoxylon	4	4	0	0	0	0	4	-	-	396	
3	Chennangi	Lagerstroemia speciosa	21	4	11	4	2	0	5	0.660	-	7339	
4	Chiluladuddi	Casearia tomentosa Roxb	1	1	0	0	0	0	1	-	-	101	
5	Dumpidi	Holoptelea integrifolia	3	2	0	0	0	1	2	1.440	-	24794	
6	Ippa	Madhuca indica	2	0	0	0	0	2	-	2.590	-	60781	
7	Jeedi	Semecarpus anacardium	5	5	0	0	0	0	5	-	-	505	
8	Kanuga	Millettia pinnata	2	0	1	0	1	0	1	0.454	-	8245	
9	Karakkaya	Terminalia chebula	1	0	0	0	0	1	-	1.500	-	25617	
10	Kodisha	Wrightia tinctoria	2	0	0	1	0	1	-	1.030	-	22,512	
11	Maredu	Aegle marmelos	1	1	0	0	0	0	1	-	-	101	
12	Moduga	Butea monosperma	4	4	0	0	0	0	4	-	-	404	
13	Nallamaddi	Terminalia elliptica	6	4	0	1	1	0	3	1.650	-	73,770	
14	Rela	Cassia fistula	12	11	1	0	0	0	12	-	-	1,212	
15	Sandra	Senegalia catechu	1	0	0	0	1	0	-	0.276	-	4,923	
		Total	119	60	26	20	8	5	65	13.18	0	515247	

District Forest Officer,
Kumarambheem Asifabad

197
GOVERNMENT OF TELANGANA
ROADS & BUILDINGS DEPARTMENT

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

To
District Forest Officer,
Kumrambheem Asifabad District.

Lr.No.DB/EE Asifabad/R&B/EDS/2022-23

Date:26.05.2022

Sir,

Sub: Diversion of 4.070 ha (revised from 5.551 Ha) of FLinAsifabad Division for Construction of BT road from Dampur to Kereguda to Loha from km 0/0 to 7/875 via Thatiguda of Tiryani mandal, Tiryani reserved forest, Asifabad Division, Kumrambheem Asifabad District- 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-TSB 251/2022-Hyd/445, Dt: 12.04.2022.
2. Prl. C.C.F., TS Hyderabad, Rc.No. 15847/2020/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:19.04.2022.

* * * * *

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 Dampur to Kereguda to Loha from km 0/0 to 7/875 via Thatiguda of Tiryanimandal,

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. Benefits of blacktopping of the road may be informed and extent of vehicular traffic in the proposed route and number of people get benefit out this road may also be provided.

Reply: Blacktopping is an all-weather road is the one which is negotiable during all weathers. This provides easy access and faster movement from habitations to Mandis, Agriculture Markes, other farmer related enterprises, higher secondary schools, colleges, hospitals etc in order to improve the quality life of rural populous.

Average Daily Traffic (ADT) in this route is 92 in 2018-19. This road connects 2 no. of habitations Dampur and Kereguda with population of 454 and 613 respectively. So 1067 people will get benefited out this road.

3. State Government may inform whether or not RoW was allowed for the alignment proposed for diversion and if so, details with supporting documents may be furnished.

Reply: Related to Forest department.

4. Revised map, kml file and map etc for an area of 4.070 ha non forest area proposed for CA purpose shall be uploaded in the online application.

Reply: Revised map, kml file and map uploaded in the online application.

5. MAP and DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be submitted.

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: 12.11.2021.

In view of the above, I request the District Forest Officer, Kumrambheem Asifabad to obtain necessary approval for the above work at earliest.

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

Yours faithfully,


District R&B Officer 26/11/21

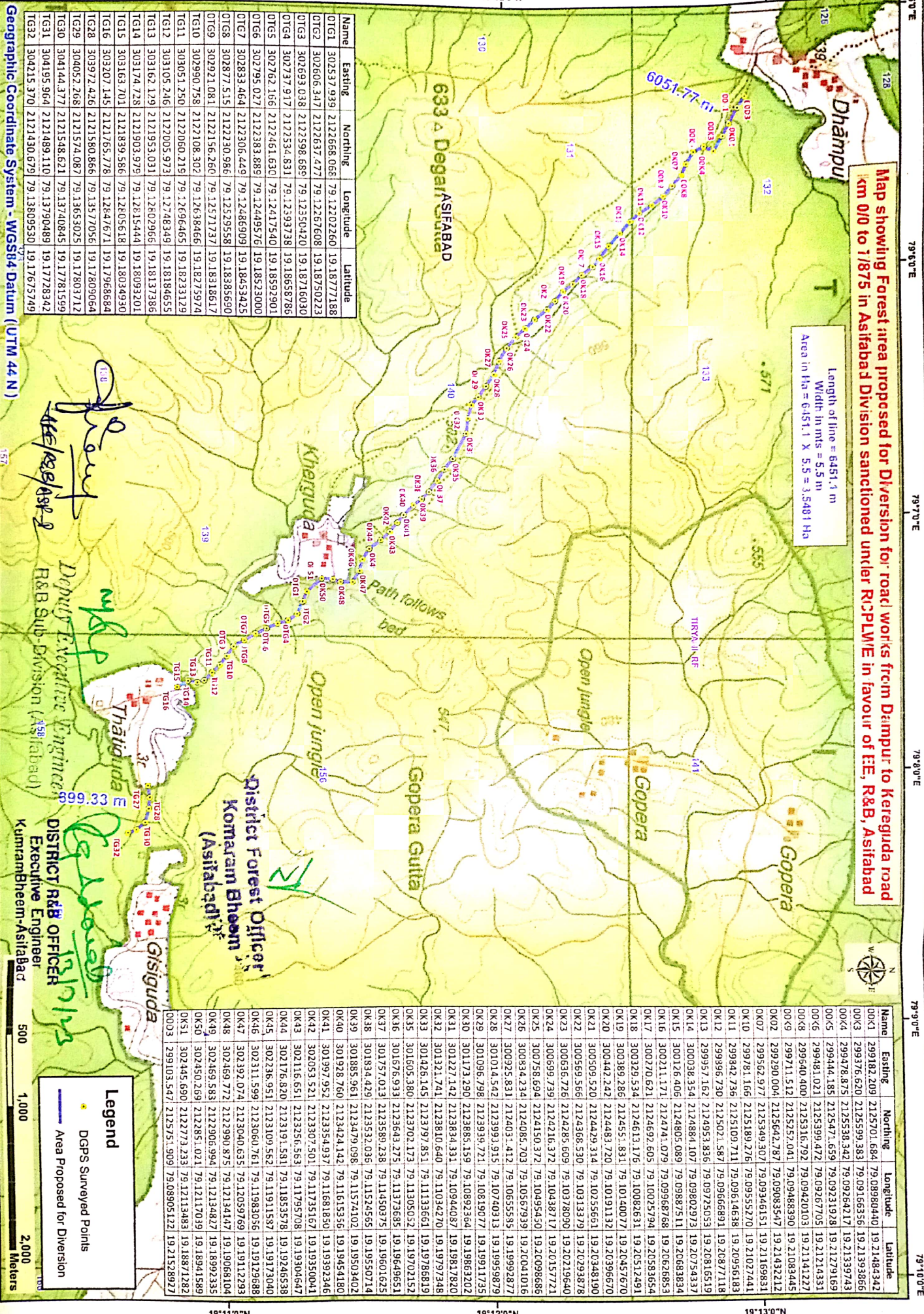
Division, Kumrambheem Asifabad

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

Map showing Forest area proposed for Diversion for road works from Dampur to Kereguda road km 010 to 11675 in Asifabad Division sanctioned under ROPLEME in favour of EE, R&B, Asifabad

Length of line = 6451.1 m
Width in mts = 5.5 m
Area in Ha = 6451.1 X 5.5 = 3.5481 Ha

Name	Eastings	Northings	Longitude	Latitude
OTG1	302537.939	2122668.066	79.1202260	19.18777188
OTG2	302606.347	2122637.477	79.12267608	19.18750223
OTG3	302693.038	2122598.689	79.12350420	19.18716030
OTG4	302737.917	2122534.831	79.12419378	19.18658786
OTG5	302762.166	2122461.630	79.12417540	19.18592901
OTG6	302795.027	2122383.889	79.12449576	19.18533000
OTG7	302833.464	2122306.449	79.12486909	19.18453425
OTG8	302877.515	2122230.966	79.12529558	19.18385690
OTG9	302921.081	2122156.260	79.12571737	19.18318617
OTG10	302990.758	2122108.302	79.12638466	19.18275974
OTG11	303051.250	2122060.219	79.12696465	19.18233129
OTG12	303105.246	2122005.973	79.12748349	19.18184655
OTG13	303162.129	2121953.031	79.12802966	19.18137386
OTG14	303174.728	2121903.979	79.12815444	19.18093201
OTG15	303163.701	2121839.586	79.12805618	19.18033010
OTG16	303207.145	2121765.778	79.12847671	19.17968684
OTG17	303292.426	2121580.866	79.13577056	19.17809064
OTG18	304052.268	2121574.087	79.13653025	19.17803712
OTG19	304144.377	2121548.621	79.13740845	19.17815199
OTG20	304195.964	2121489.110	79.13790489	19.17783442
OTG21	304215.370	2121430.679	79.13809530	19.17675749



Name	Eastings	Northings	Longitude	Latitude
OKK1	299182.209	2125701.684	79.08980440	19.21484342
OKK2	299376.620	2125599.388	79.09166536	19.21393866
OKK3	299478.875	2125536.342	79.09264217	19.21399743
OKK4	299444.185	2125471.659	79.09231928	19.21279169
OKK5	299481.021	2125399.472	79.09267705	19.21214331
OKK6	299460.400	2125316.792	79.09240203	19.21141227
OKK7	299711.512	2125252.041	79.09488390	19.21083445
OKK8	299720.004	2125264.787	79.09503547	19.21032212
OKK9	299562.977	2125340.307	79.09346151	19.21169831
OKK10	299781.166	2125189.276	79.09552720	19.21027441
OKK11	299942.736	2125109.711	79.09614638	19.20956183
OKK12	299956.730	2125021.587	79.09666891	19.20877118
OKK13	299957.162	2124953.836	79.09725053	19.20816519
OKK14	300036.354	2124884.107	79.09802973	19.20754337
OKK15	300126.406	2124805.089	79.09887511	19.20683834
OKK16	300211.171	2124741.079	79.09968768	19.20626853
OKK17	300270.621	2124662.605	79.10025794	19.20583654
OKK18	300329.534	2124613.176	79.10082631	19.20512491
OKK19	300389.286	2124551.831	79.10140077	19.20457670
OKK20	300442.242	2124483.720	79.10191132	19.20396670
OKK21	300509.520	2124429.314	79.10255601	19.20348190
OKK22	300569.739	2124216.372	79.10438717	19.20157721
OKK23	300556.566	2124368.530	79.10293878	19.20293878
OKK24	300534.234	2124085.703	79.10567939	19.20041016
OKK25	300758.694	2124150.372	79.10495450	19.20293878
OKK26	300934.234	2124085.703	79.10567939	19.20041016
OKK27	300925.831	2124031.412	79.10655535	19.19992877
OKK28	301014.542	2123993.915	79.10740313	19.19959879
OKK29	301096.798	2123939.721	79.10819077	19.19911735
OKK30	301173.290	2123885.159	79.10892364	19.19863202
OKK31	301227.142	2123834.331	79.10944067	19.19817820
OKK32	301321.741	2123810.640	79.11034270	19.19797348
OKK33	301426.145	2123797.851	79.11133661	19.19768619
OKK34	301505.380	2123702.173	79.11305052	19.19702152
OKK35	301676.933	2123643.275	79.11373695	19.19649651
OKK36	301757.012	2123589.238	79.11450375	19.195801625
OKK37	301885.961	2123552.036	79.11524565	19.19507074
OKK38	301934.429	2123521.036	79.11524565	19.19507074
OKK39	301885.961	2123479.098	79.11574102	19.19503402
OKK40	301928.760	2123424.142	79.11615336	19.19454180
OKK41	301997.952	2123354.937	79.11681830	19.19393246
OKK42	302053.521	2123307.501	79.11733167	19.19359346
OKK43	302116.651	2123256.563	79.11795708	19.19306467
OKK44	302176.820	2123191.581	79.11853578	19.19246538
OKK45	302236.951	2123109.562	79.11911587	19.19173040
OKK46	302311.599	2123060.761	79.11983056	19.19129688
OKK47	302392.074	2123000.635	79.12059769	19.19112293
OKK48	302469.772	2122990.987	79.12134147	19.19068104
OKK49	302469.583	2122906.994	79.12134827	19.18992355
OKK50	302450.269	2122851.021	79.12117039	19.18941589
OKK51	302445.690	2122773.233	79.12113483	19.188871282
OKK52	299103.547	2123751.909	79.08905122	19.21528927

Legend

- DGPS Surveyed Points
- Area Proposed for Diversion

Tagged to nearest SOI GCP

**GOVERNMENT OF TELANGANA
ROADS & BUILDINGS DEPARTMENT**

From

Sri. G.Peddaiah, M.Tech.,
District (R&B) Officer,
(Executive Engineer)
Kumuram Bheem Asifabad.

To

District Forest Officer,
Kumuram Bheem Asifabad District.

Lr.No.DB/EE Asifabad/R&B/EDS/2023-24

Date:25.07.2023

Sir,

Sub: Diversion of 4.070 ha (revised from 5.551 Ha) of FL in Asifabad Division for Construction of BT road from Dampur to Kereguda from km 0/0 to 7/875 via Tatiguda of Tiryani Mandal, Tiryani RF of Asifabad Division, Kumuram Bheem Asifabad District- Submission of Additional Documents/Clarifications-Req-Reg.

* * * * *


The forest proposal for the work 'Construction of BT Road from Dampur to Kereguda from km 0/0 to 7/875 in Asifabad District.' is uploaded on PARVESH portal.

In connection to the above forest proposal and as per the discussions held with the Principal Chief Conservator of Forests, NO(FCA) on 05.07.2023, regarding non-existence of Kacha road, it is to inform that the subject road was identified and sanctioned by the Ministry of Home Affairs (MHA), GOI in consultation with the State Home Department and Intelligence Department to combat Left Wing Extremism in the area and the State R&B Department has no role in identifying the road proposal from Dampur to Kereguda. Improvement of this particular road from Dampur to Kereguda is critical for Secure and Seamless movement of the Security personnel during anti extremist operations.

It is further informed that in "Road Connectivity Project for LWE Affected Areas (RCPLWEA)" population of the habitation is not a consideration at all, as the primary objective is providing seamless connectivity, area security and area domination along with smooth movement of security forces in the LWE affected areas by construction/ upgradation of specifically identified roads.

With the above justifications, the District Forest Officer, Kumuram Bheem Asifabad, is herewith requested to kindly consider the proposal and expedite the process of forest clearance.

Yours faithfully,


District R&B Officer
Division, Kumrambheem Asifabad

Copy submitted to The Principal Chief Conservator of forest, Nodal Officer (FCA), Hyderabad for the favour of information.

Copy submitted to The Chief Engineer (R&B), D&P, RSW, LWE, Admin, QC, Hyderabad, for the favour information.

NOT FOR EXPORT

आंध्र प्रदेश ANDHRA PRADESH

FIRST EDITION

REFER TO THIS MAP AS
SHEET 56 M/4 FIRST EDITION

No 56 M/4

ADILABAD & KARIMNAGAR DISTRICTS.

Scale 1:50,000

Projection: Mercator Scale: True Meridian about 1° West of 1973
Pictorially to about 1° unaltered



Notes on Symbols and Abbreviations

Symbol	Description
[Symbol]	...
[Symbol]	...
[Symbol]	...
[Symbol]	...
[Symbol]	...

Index to Districts

District	Page
...	...
...	...
...	...
...	...
...	...

Scale 1:50,000

HEIGHTS & CONTOURS IN FEET

CONTOUR INTERVAL IN FEET

...



Administrative Index

Office	Page
...	...
...	...
...	...
...	...
...	...

REFER TO THIS MAP AS
SHEET 56 M/4 FIRST EDITION

NECA

District Forest Officer
Komaram Bheem
(Asifabad)

14-00

**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/EDS/2022-23**Date:26.05.2022**

Sir,

Sub: Diversion of 4.070 ha (revised from 5.551 Ha) of FLinAsifabad Division for Construction of BT road from Dampur to Kereguda to Loha from km 0/0 to 7/875 via Thatiguda of Tiryani mandal, Tiryani reserved forest, Asifabad Division, Kumrambheem Asifabad District- 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-TSB 251/2022-Hyd/445, Dt: 12.04.2022.
2. Prl. C.C.F., TS Hyderabad,Rc.No. 15847/2020/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:19.04.2022.

* * * * *

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 Dampur to Kereguda to Loha from km 0/0 to 7/875 via Thatiguda of Tiryanimandal,

- 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.

- Benefits of blacktopping of the road may be informed and extent of vehicular traffic in the proposed route and number of people get benefit out this road may also be provided.

Reply: Blacktopping is an all-weather road is the one which is negotiable during all weathers. This provides easy access and faster movement from habitations to Mandis, Agriculture Markes, other farmer related enterprises, higher secondary schools, colleges, hospitals etc in order to improve the quality life of rural populous.

Average Daily Traffic (ADT) in this route is 92 in 2018-19. This road connects 2 no. of habitations Dhampur and Kereguda with population of 454 and 613 respectively. So 1067 people will get benefited out this road.

- State Government may inform whether or not RoW was allowed for the alignment proposed for diversion and if so, details with supporting documents may be furnished.

Reply: Related to Forest department.

- Revised map, kml file and map etc for an area of 4.070 ha non forest area proposed for CA purpose shall be uploaded in the online application.

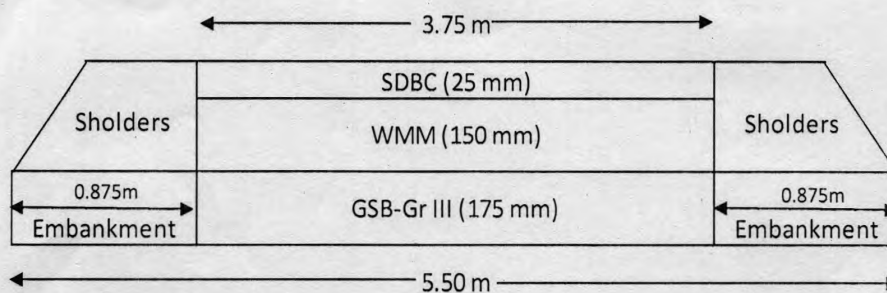
Reply: Revised map, kml file and map uploaded in the online application.

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 4% and Traffic (T3). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.

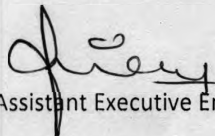
BT road from Dampur to Kereguda

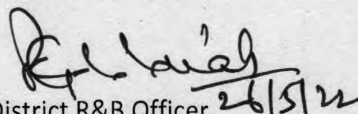


SDBC: Semi-Dense Bituminous Concrete

WMM: Wet Mix Macadam

GSB: Granular Sub-Base


Assistant Executive Engineer,
(R&B) Section, Asifabad.

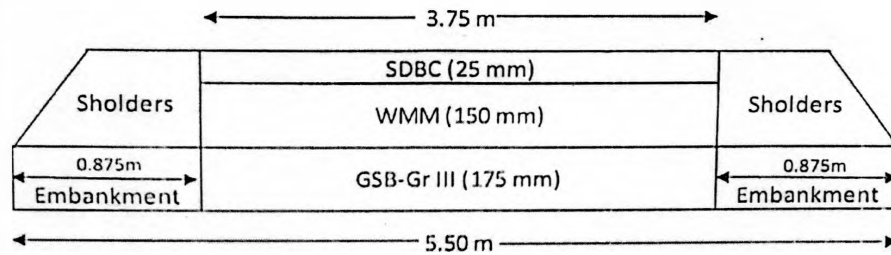

District R&B Officer, 26/5/22
Kumrambheem Asifabad District

Cross Section Details

209 -

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 4.03% and Traffic (T3). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.

BT road from Govena to Jambuldhara

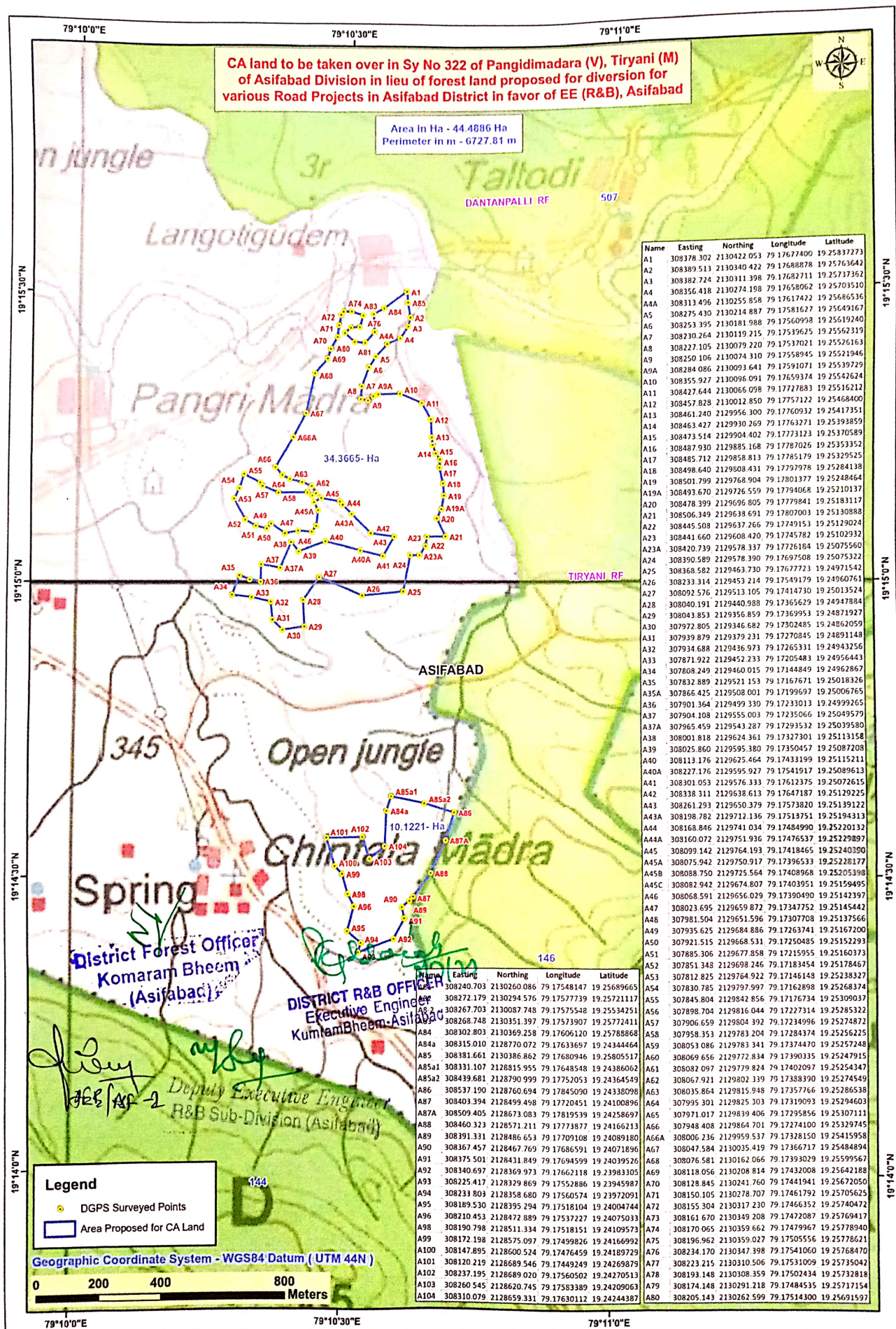
SDBC: Semi-Dense Bituminous Concrete

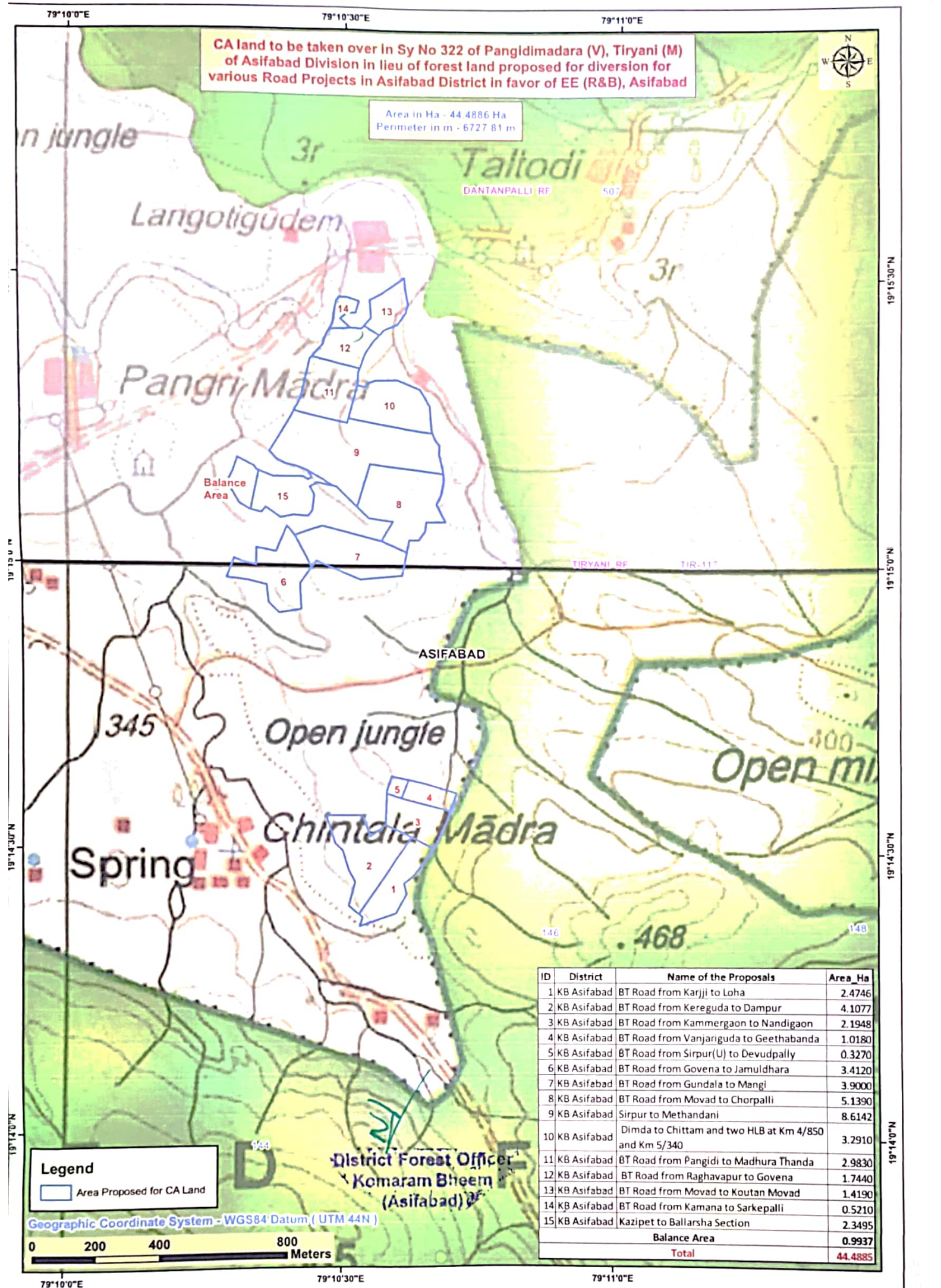
WMM: Wet Mix Macadam

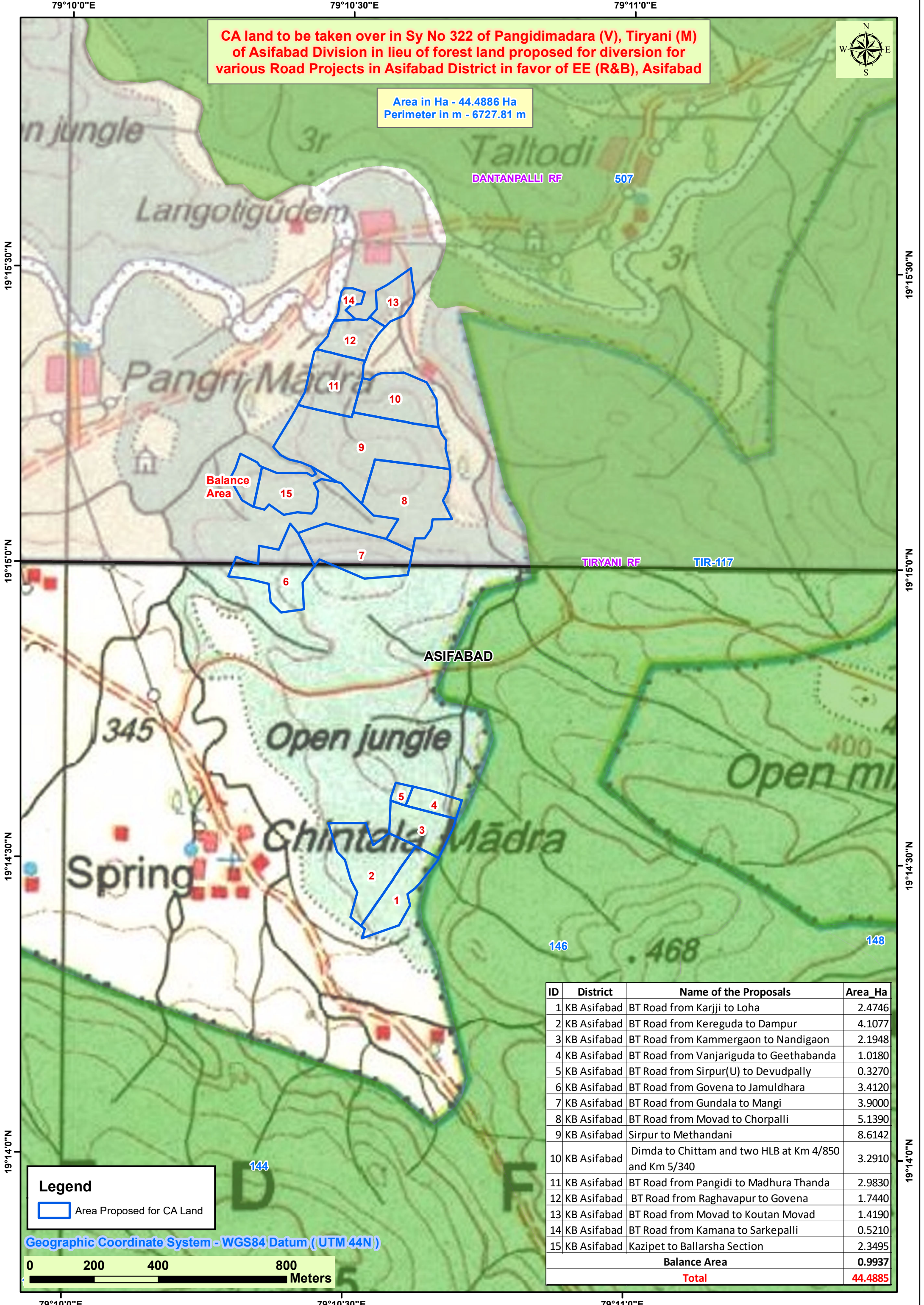
GSB: Granular Sub-Base

[Signature]
Assistant Executive Engineer,
(R&B) Section, Asifabad.

[Signature]
District R&B Officer,
Kumrambheem Asifabad District







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.

Rc. No. 1577/2020/S 4, Dated: 05.07.2023.

Sir,

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

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

It is submitted that, the Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide reference cited 14th 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	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
			Total- A	44.4886

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.

Sl 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
	Total		805.468

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	Circle	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
			Total- A	44.4886

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 47⁰ Centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However Cyclonic rains are common during October - December.

3.7 RAINFALL :

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

3.8 EXISTING VEGETATION:

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

3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:

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

3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

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

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

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

3.11 COST STRUCTURE:

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

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
	Total	449.02	356.45	805.47

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). 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, Mancherla shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


**District Forest Officer,
KB-Asifabad**

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
A	Cultural Operations																				
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															
	Sub Total:					15.000			2.598			1.275			2.415			1.543			2.922
B	SMC Works																				
6	Construction of Check Dams	No	600000		660000		2.00	726000	14.52	5	286000	15.09									
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									
	Sub Total:					0.000			24.805			32.610			0.000			0.000			0.000
C	Protection																				
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												
	Sub Total:					0.000			220.2			0.000			0.000			0.000			0.000
D	Nursery activities (including casualities)																				
12	Purchase of Gachakaya Bag Plants of size 6"x8" for Planting on th trencg 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						
	Sub Total:					2.118			0.924			0.000			0.000			0.000			0.000
	Nursery Infrastructure																				
	Nursery Infrastructure	Ls			0.000	0	LS	0.000				0.000			0.000			0			
	Sub Total:					0.000			0.000			0.000			0.000			0.000			0.000
E	Planting activities (LI method) - (3m x3m) -																				
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									
	Sub Total:					3.673			4.098			4.508			0.000			0.000			0.000
F	Misc - Infrastructure & Admin. Charges																				
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
	Sub Total:					1.000			51.400			3.000			2.500			2.500			2.500
	Total					21.790			303.984			41.392			4.915			4.043			5.422
D	Adminstrative cost 10% over core activities					2.179			30.398			4.139			0.491			0.404			0.542
	Grand Total					23.969			334.38			45.531			5.406			4.447			5.964

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 & Kaghnaznagar 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
A	Cultural Operations																								
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
	Sub Total:			1.867			3.535			2.259			4.278			2.733			5.176			3.307			48.907
B	SMC Works																								
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
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			57.415
C	Protection																								
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
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			220.160
D	Nursery activities (including casualities)																								
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 Stabillization																						7100		0.924
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			3.041
	Nursery Infrastructure																								
	Nursery Infrastructure																						0		0.000
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.000
E	Planting activities (L.I method) - (3m x3m) -																								
14	Stabilization of Gachakaya Seedlings																						14.10		7.771
15	Revisit																						7.10		4.508
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			12.279
F	Misc - Infrastructure & Admin. Charges																								
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
	Sub Total:			0.500			0.500			0.500			0.500			0.500			0.500			0.500			66.400
	Total			2.367			4.035			2.759			4.778			3.233			5.676			3.807			408.201
D	Adminstrative cost 10% over core activities			0.237			0.404			0.276			0.478			0.323			0.568			0.381			40.820
	Grand Total			2.603			4.439			3.035			5.256			3.556			6.244			4.188			449.021

District Forest Officer,
Kumram Bheem-Asifabad

392.372

1312

14.522

0

0.5

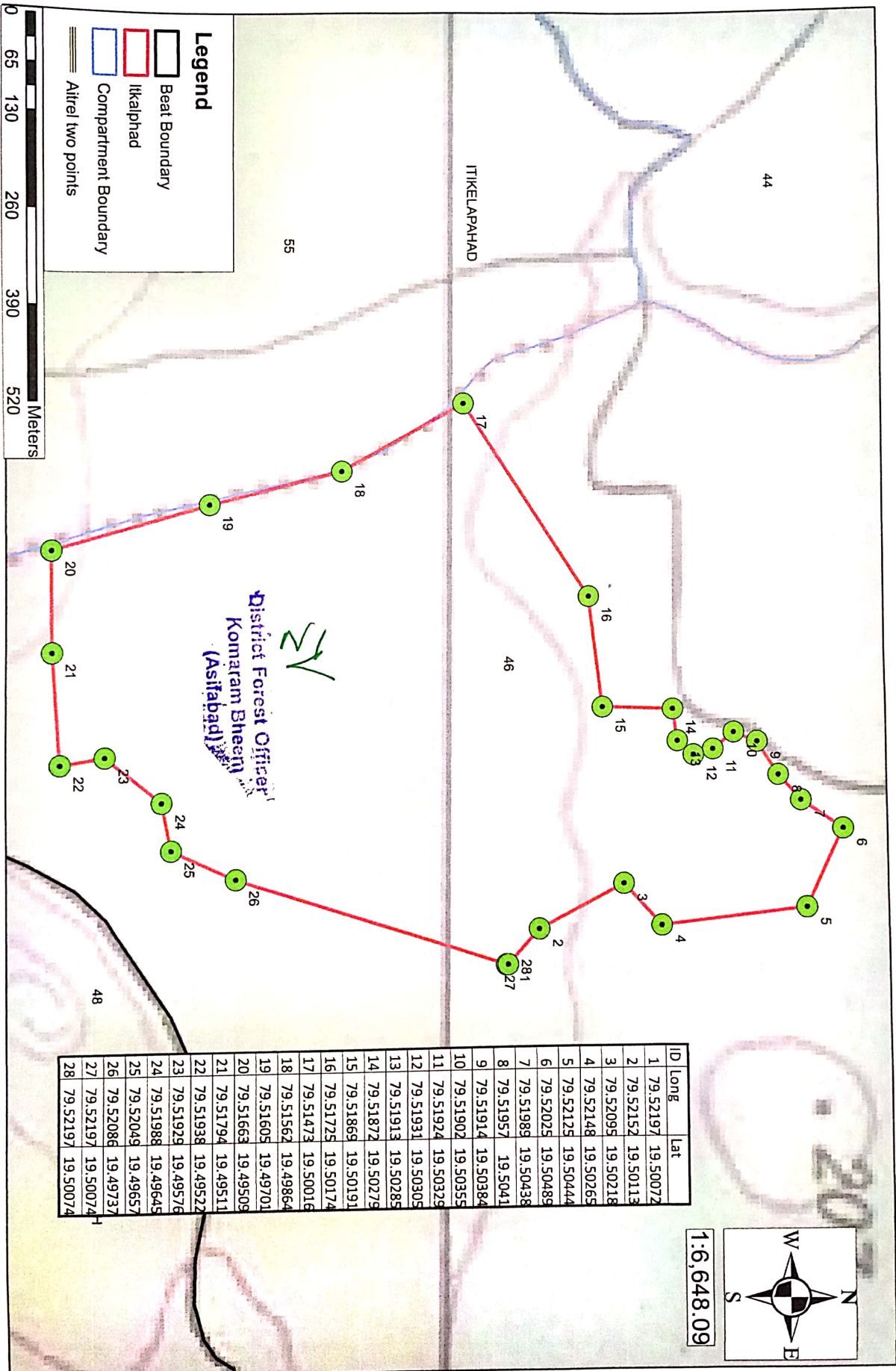
20.00

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
Asifabad District

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

**Map showing forest land for DFL 45 Hac (R&B) in Compt No. 55 of Itkalphadt Beat
of Sirpur Range in Kaghaznagar Division**



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

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



District Forest Officer
KB Asifabad

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

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	338.27	1	1353.08
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 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	01.04.09	Electricity charges			550.00		550.00
		Total					3064.80
9	01.04.08	Contingencies @ 5%					153.24
		2021-22 Total					3218.04
		cost of each plant (500 Plants per bed)					6.4361


 District Forest Officer
 KB Asifabad

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

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clay soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum) (500 Bags per Bed)	No	500	1447.37	1000	723.69
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)	No	500	38.32	1000	19.16
	01.03.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
3	h	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)	No	500	2554.32	1000	1277.16
	01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings					
4		Weeding the plants (2 weedings)	Bed	2	68.33	1	136.66
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	580.32
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	1691.70
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 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		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7997.56
10	01.03.38	Contingencies @ 5%					399.878
		Total for 500 plants					8397.44
		cost of each plant					16.7949


District Forest Officer
KB Asifabad

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

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	441.77	Plantation	442
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	2455.33	Ha	982
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	3690.64	Ha	1476
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	8670.61	Ha	1734
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	6586.65	Ha	2635
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	12748.32	Ha	5099
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	16573.42	Ha	3315
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	6709.72	Ha	2684
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	10647.59	Ha	4259
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	12415.12	Ha	2483
02.08.05	Tilling the soil to a depth of 0.45 cm in the affected area				
a	Sparce jungle growth less than 10% ground area covered with jungle growth	1	20809.08	Ha	20809
	Unit Rate for FSR 2021-22				45918


 District Forest Officer
 KB Asifabad

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

Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.02	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. For untilled areas - Hard Soils	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
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(20X30 cm (9"X11")bag plants)	1111	309.57	100	3439
02.09.08	5 Km to 25 Km lead(20X30 cm (9"X11")bag plants)	1111	10.88	100	121
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (9"X11")bag plants	1111	194.46	100	2160
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.00	1	2222
a	Application of 50gm of SSP per pit	1111	46.32	100	515
	Planting Bag Plants				
02.09.12	Planting in 45 cm ³ 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	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.	1111	46.32	100	515
02.09.18	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
02.09.19	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	Inter-ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough	1	4045.91	1	4046
02.09.22	Uprootal of Mahaveera Weed	1	4306.88	1	4307
02.09.25	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 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
	Unit Rate for FSR 2021-22				112749

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 ³ 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	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
02.10.08	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				2000
Unit Rate for 2021-22					44252

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) - 20% proposed	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 ³ Pit	222	516.09	100	1146
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	624.92	100	6943
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	890.24	100	9891.00
02.11.03	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	146.59	100	1629.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.60	4306.69	Ha	2584
02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level.	100	7.25	Rmt	725
02.11.06	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
02.11.05	Contingencies provision for Raising of plantations: 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
	Unit Rate for 2021-22				33833


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 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	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	6508	Ha	6508
	Unit Rate for 2021-22				18459

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	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	6508.16	Ha	6508
	Unit Rate for 2021-22				18459


 District Forest Officer
 KB Asifabad

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

24

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	890.24	100	9891
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
	Unit Rate for 2021-22				10322


District Forest Officer
KB Asifabad

Unit Cost for 6th Year Maintenance of NTSB 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
	Unit Rate for FSR 2021-22				10322


 District Forest Officer
 KB Asifabad

Unit Cost for 8th Year Maintenance of NTSB 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 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 25% of cost adopted	1111	890.24	100	9891
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	430.54	100 Rmt	431
Unit Rate for FSR 2021-22					10322

District Forest Officer
KB Asifabad

Unit Cost for 10th Year Maintenance of NTS 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 Digging of Cattle Proof Trench (CPT) along the RF Boundary (DFL Boundary)

Unit cost for 1.00 KM

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

Or 60000



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

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart (Bag Planting)						
		(a) Allignment & Stacking	500	Nos	94.82	100	Nos	474
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	65.94	100	Nos	330
		(c) Digging of 30 cm ³ pits to be done during June	500	Nos	5.64	1	No	2820
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (4"x7") bag plants	500	Nos	44.88	100	Nos	224
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 1.30=41.00)	500	Nos	33.00	100	Nos	165
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	47.38	100	Nos	237
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	165.85	100	Nos	829
3		(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound (Bag planting)						
		(a) Allignment & Stacking)	250	Nos	94.82	100	Nos	237
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	65.94	100	Nos	165
		(d) Digging of 45 cm ³ pits (50% of original rate) to be done during June	250	Nos	5.64	1	No	1410
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (6"x8") bag plants	250	Nos	44.88	100	Nos	112
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 4.03=80.60)	250	Nos	33.00	100	Nos	83
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	47.38	100	Nos	118
		(h)Planting with 4 m apart in one row (250 Nos. per km)	250	Nos	165.85	100	Nos	415
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						46911
		2021-22				P. KM		47700

District Forest Officer
KB Asafabad

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

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


District Forest Officer
KB Asifabad

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

Sl. No.	FSR	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	338.27	1	1353.08
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10846.93	100	433.88
8	01.04.09	Electricity charges			550.00		550.00
		Total					3064.80
9	01.04.08	Contingencies @ 5%					153.24
		2021-22 Total					3218.04
		cost of each plant (500 Plants per bed)					6.4361


District Forest Officer
KB Asifabad

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

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags (4 717 - 1 433 = 3 284 cum) (500 Bags per Bed)	No	500	1447.37	1000	723.69
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags (4 717 - 1 433 = 3 284 cum)	No	500	38.32	1000	19.16
	01.03.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
3	h	(h) 6" x 8" to 9" x 11" bags (4 717 - 1 433 = 3 284 cum)	No	500	2554.32	1000	1277.16
	01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings					
4		Weeding the plants (2 weedings)	Bed	2	68.33	1	136.66
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	580.32
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	1691.70
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10846.93	100	433.88
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7997.56
10	01.03.38	Contingencies @ 5%					399.878
		Total for 500 plants					8397.44
		cost of each plant					16.7949


District Forest Officer
KB Asifabad

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

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

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
2		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart (Bag Planting)						
		(a) Alignment & 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 ³ pits to be done during June	500	Nos	5.64	1	No	2820
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (4"x7") bag plants	500	Nos	44.88	100	Nos	224
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 1.30=41.00)	500	Nos	33.00	100	Nos	165
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	47.38	100	Nos	237
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	165.85	100	Nos	829
3		(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound (Bag planting)						
		(a) Alignment & 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 ³ pits (50% of original rate) to be done during June	250	Nos	5.64	1	No	1410
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (6"x8") bag plants	250	Nos	44.88	100	Nos	112
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 4.03=80.60)	250	Nos	33.00	100	Nos	83
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	47.38	100	Nos	118
		(h)Planting with 4 m apart in one row (250 Nos. per km)	250	Nos	165.85	100	Nos	415
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						46911
		2023-24				P. KM		47700

District Forest Officer
KB Asifabad

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

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

District Forest Officer,
KumramBheem-Asifabad

14.52

309.885