

GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

From:
Sri C.P. Vinod Kumar, I.F.S.,
Chief Conservator of Forests,
Adilabad Circle Adilabad (FAC).

To:
The Prl. Chief Conservator of Forests,
(Head of Forest Force)
Telangana State,
"Aranya Bhavan" Saifabad,
HYDERABAD.

Re.No. 1990/2020-M6, Dt. 17.08.2022.

Sir,

Sub :- TSFD-F(C) Act, 1980- Diversion of 0.521 Ha of Forest Land for Construction of BT Road from Kamana to Serkepalli from Km 0/0 to 8/920 of Wankidi Mandal, Garlapet (Part) RF of Asifabad Forest Division of Kumuram Bheem-Asifabad District in favour of Executive Engineer, R&B Division, KB -Asifabad - **Additional Information sought for by IRO, Hyd - Report submitted -Reg.**

Ref:- 1. IRO, MoEF &CC, GoI, Hyd Ref. No.4-TSB243/2022-HY/371, Dt: 01.02.2022.
2. Prl. CCF, TS Hyd Rc.No. 15852/2020/FCA-2, Dated:03.03.2022.
3.D.F.O., KB-Asifabad Rc.No.12/2021/S4,dt:16.06.2022 & 12.07.2022
(received on 21.07.2022)

In compliance with the instructions issued in the reference 2nd cited above, I am submitting herewith the additional information as called for by the IRO GOI, Hyderabad vide reference 1st cited in the proposal for Diversion of 0.521 Ha of Forest Land for Construction of BT Road from Kamana to Serkepalli from Km 0/0 to 8/920 of Wankidi Mandal, Garlapet (Part) RF of Asifabad Forest Division of Kumuram Bheem-Asifabad District in favour of Executive Engineer, R&B Division, Kumuram Bheem Asifabad received from the District Forest Officer, KB Asifabad vide reference 3rd cited, the details are as follows.

II. The State Government reported that out of 2.156 Ha proposed by the user agency, only an extent of 0.521 Ha is passing through RF area and remaining area is outside the reserve forests. However, map along with DGPS co-ordinates of the revised extent of forest area recommended by the State Government has not been uploaded in the online application. Hence, revised maps (KML and Toposheets) indicating the extent of road alignment passing through the forest area shall be uploaded.

Reply: The District Forest Officer, KB Asifabad has stated that, the user agency has submitted the revised map indicating the extent of road alignment passing through the RF Area.(Copy enclosed)

III. The cross section of the road with clearly indicating components like actual carriage way (BT-portion), drainage, shoulders etc., duly authenticated by the DFO concerned shall be furnished.

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

IV. As the proposed forest area for diversion is revised from 2.156 Ha to 0.521 ha, the CA scheme and area may also be revised accordingly.

Reply: The District Forest Officer, KB Asifabad has submitted that the CA scheme to an extent of area 81.4313 Ha in sy.no.322 of Pangidimadara village of Tiryani Mandal of Asifabad division for entire (21) R&B Roads project of Asifabad district including this project(i.e., 2.156 ha) is prepared and submitted to the PCCF and the CA Scheme is also approved by the PCCF on 02.11.2021, the Total Financial outlay of the CA scheme for Rs.1256.465 Lakh. Further the District Forest Officer, KB Asifabad has submitted that, after processed the proposal this project area proposed to be diversion comes to 0.521 ha.

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

Encl: (2 sets maps)

Yours faithfully,
Sd/-Chief Conservator of Forests,
Adilabad Circle Adilabad.

//:T.C.B.O.://

Sarjia
MANAGER

17/8/22

**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/2022-23

Date:26.05.2022

Sir,

Sub: Diversion of 0.521 ha (revised from 2.156 Ha) of FLin Asifabad Division for Construction of BT road from Kamana to Sarkepalli from km 0/0 to 8/920 of Garlapet (Part) RF of Wankidi mandal, Asifabad Division, Kumuram Bheem Asifabad District- in favour of Dist R&B Officer, Kumuram Bheem Asifabad District- Submission of Additional Documents/Clarifications-Req-Reg.

Ref: 1. IRO, MoEF&CC, Hyd-F.No. 4-TSB243/2022- Hyd/371, Dt 21.02.2022.
2. Prl. C.C.F., TS Hyderabad, Rc.No. 15852/2020/FCA-2, Dated: 03.03.2022.

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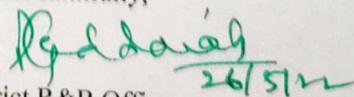
Anent to the reference cited, I am here to submit the following additional information/clarifications for further consideration of proposals of Construction of BT road from Kamana to Sarkepalli from km 0/0 to 8/920 of Garlapet (Part) RF of Wankidi mandal,

1. The State Government reported that out of 2.156 Ha proposed by User Agency, only an extent of 0.521 ha is passing through RF area and remaining area is outside the Reserve Forests. However, map along with DGPS co-ordinates of the revised extent of forest area recommended by the State Government has not been uploaded in the online application. **Hence revised maps (KML and Topo sheets) indicating the extent of road alignment passing through the forest area shall be uploaded.**
Reply: Revised map enclosed, kml file uploaded in the online application.
2. The cross section of the road width clearly indicating components like actual carriage way (**BT-portion**), drainage, shoulders etc dully authenticated by the DFO concerned shall be furnished.
Reply: Cross section sheet enclosed.
3. As the proposed forest area for diversion is revised from 2.156 ha to 0.521 ha, the C.A., scheme and area may also be revised accordingly.
Reply: Related to Forest department.

In view of the above, I request the District Forest Officer, Kumuram Bheem 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,


26/5/22

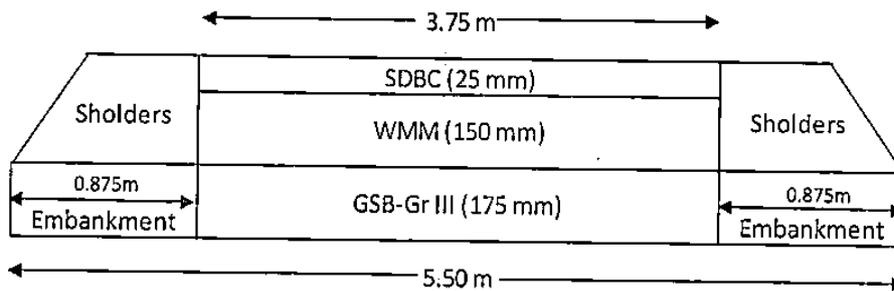
District R&B Officer
Division, Kumrambheem Asifabad

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 3.55% and Traffic (T3). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.

BT road from Kamana to Sarkepally

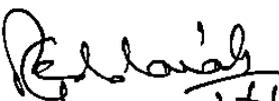


SDBC: Semi-Dense Bituminous Concrete

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

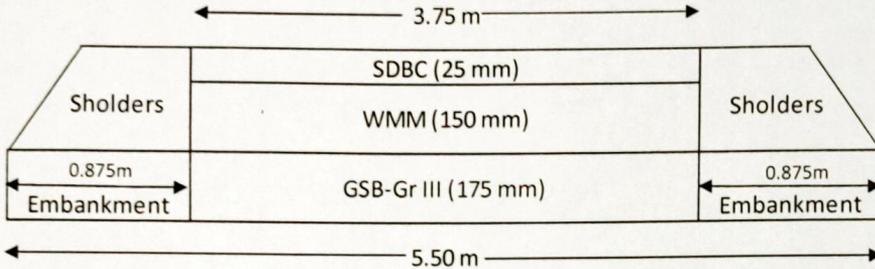

District Forest Officer
Komaram Bheem
(Asifabad)

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 3.55% and Traffic (T3). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.

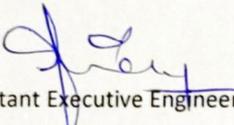
BT road from Kamana to Sarkepally

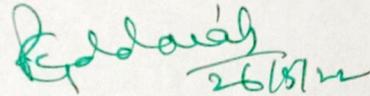


SDBC: Semi-Dense Bituminous Concrete

WMM: Wet Mix Macadam

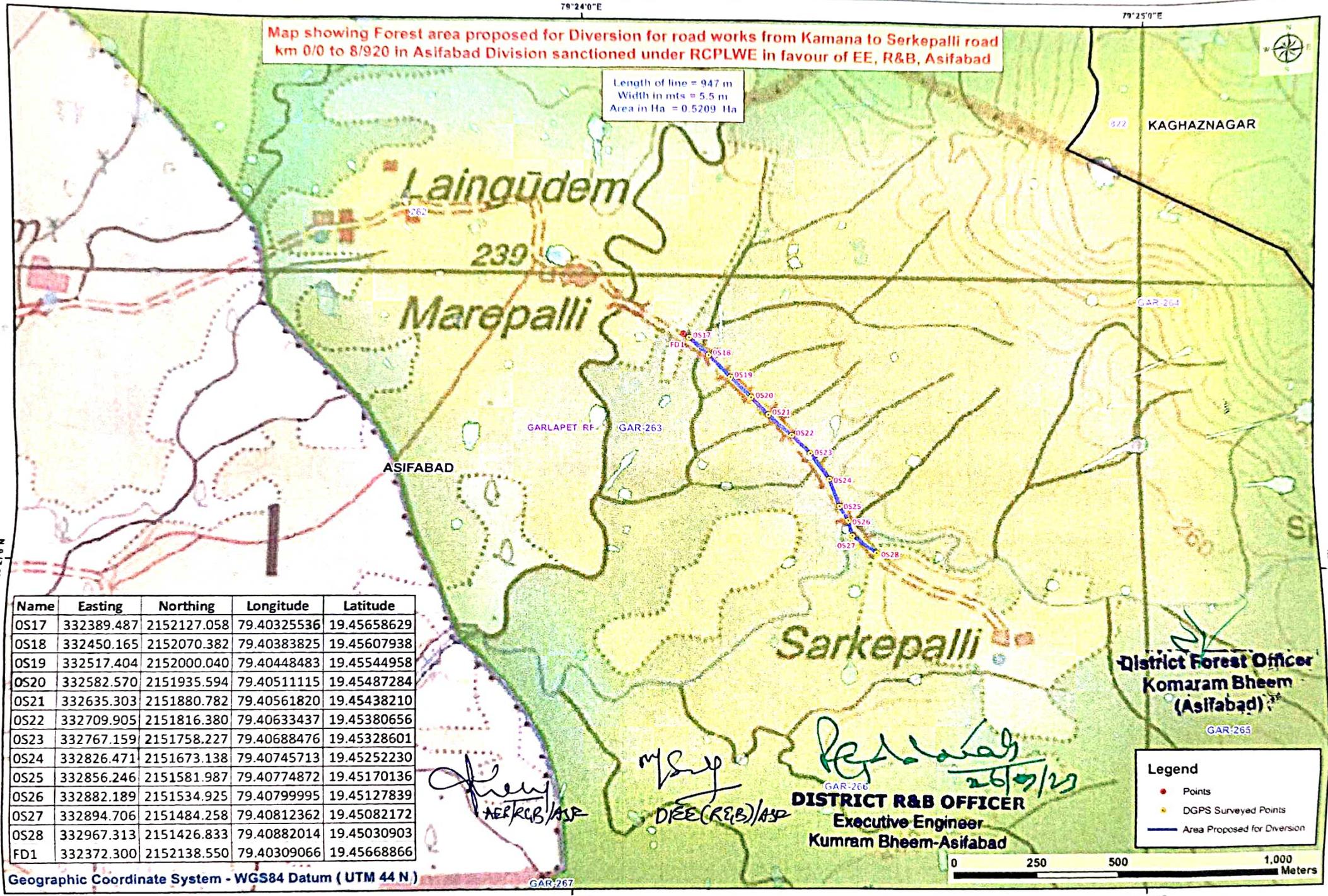
GSB: Granular Sub-Base


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


District R&B Officer,
Kumuram Bheem Asifabad District

Map showing Forest area proposed for Diversion for road works from Kamana to Serkepalli road km 0/0 to 8/920 in Asifabad Division sanctioned under RCPLWE in favour of EE, R&B, Asifabad

Length of line = 947 m
Width in mts = 5.5 m
Area in Ha = 0.5209 Ha



| Name | Easting | Northing | Longitude | Latitude |
|------|------------|-------------|-------------|-------------|
| OS17 | 332389.487 | 2152127.058 | 79.40325536 | 19.45658629 |
| OS18 | 332450.165 | 2152070.382 | 79.40383825 | 19.45607938 |
| OS19 | 332517.404 | 2152000.040 | 79.40448483 | 19.45544958 |
| OS20 | 332582.570 | 2151935.594 | 79.40511115 | 19.45487284 |
| OS21 | 332635.303 | 2151880.782 | 79.40561820 | 19.45438210 |
| OS22 | 332709.905 | 2151816.380 | 79.40633437 | 19.45380656 |
| OS23 | 332767.159 | 2151758.227 | 79.40688476 | 19.45328601 |
| OS24 | 332826.471 | 2151673.138 | 79.40745713 | 19.45252230 |
| OS25 | 332856.246 | 2151581.987 | 79.40774872 | 19.45170136 |
| OS26 | 332882.189 | 2151534.925 | 79.40799995 | 19.45127839 |
| OS27 | 332894.706 | 2151484.258 | 79.40812362 | 19.45082172 |
| OS28 | 332967.313 | 2151426.833 | 79.40882014 | 19.45030903 |
| FD1 | 332372.300 | 2152138.550 | 79.40309066 | 19.45668866 |

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R&B/ASP

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DICE (R&B)/ASP

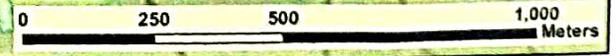
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26/7/23

DISTRICT R&B OFFICER
Executive Engineer
Kumram Bheem-Asifabad

District Forest Officer
Komaram Bheem
(Asifabad)

Legend

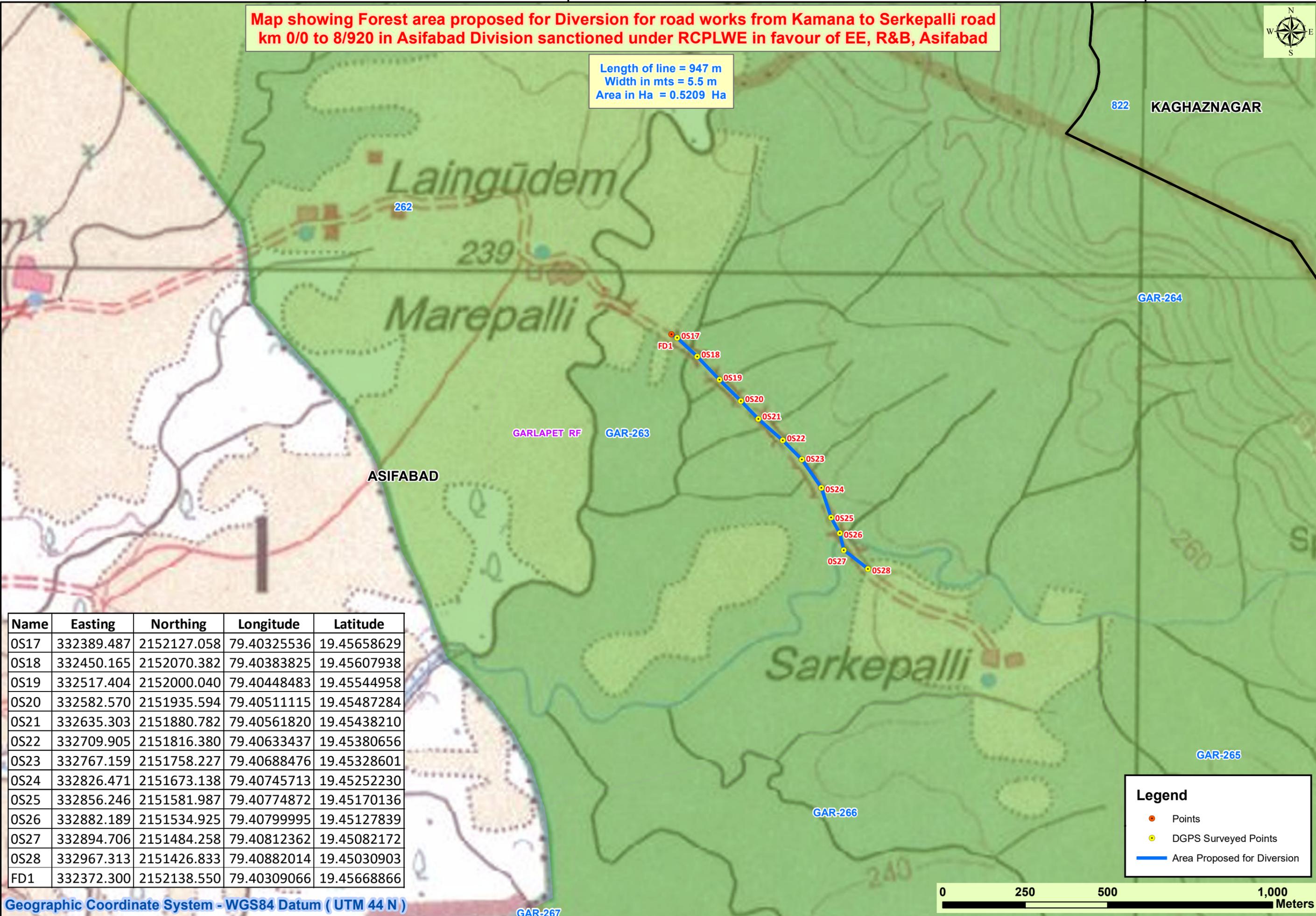
- Points
- DGPS Surveyed Points
- Area Proposed for Diversion



Geographic Coordinate System - WGS84 Datum (UTM 44 N)

Map showing Forest area proposed for Diversion for road works from Kamana to Serkepalli road km 0/0 to 8/920 in Asifabad Division sanctioned under RCPLWE in favour of EE, R&B, Asifabad

Length of line = 947 m
 Width in mts = 5.5 m
 Area in Ha = 0.5209 Ha



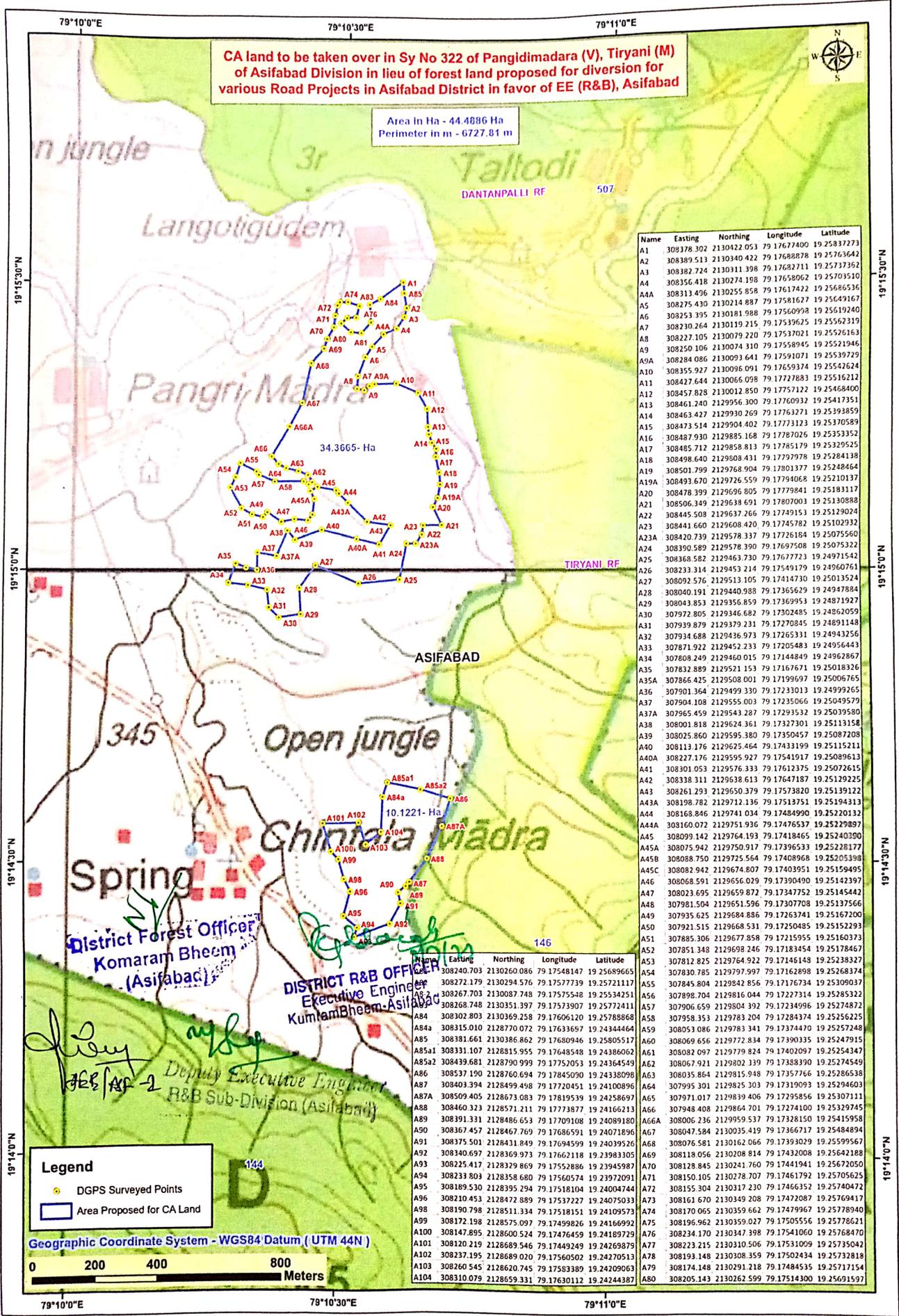
| Name | Easting | Northing | Longitude | Latitude |
|------|------------|-------------|-------------|-------------|
| OS17 | 332389.487 | 2152127.058 | 79.40325536 | 19.45658629 |
| OS18 | 332450.165 | 2152070.382 | 79.40383825 | 19.45607938 |
| OS19 | 332517.404 | 2152000.040 | 79.40448483 | 19.45544958 |
| OS20 | 332582.570 | 2151935.594 | 79.40511115 | 19.45487284 |
| OS21 | 332635.303 | 2151880.782 | 79.40561820 | 19.45438210 |
| OS22 | 332709.905 | 2151816.380 | 79.40633437 | 19.45380656 |
| OS23 | 332767.159 | 2151758.227 | 79.40688476 | 19.45328601 |
| OS24 | 332826.471 | 2151673.138 | 79.40745713 | 19.45252230 |
| OS25 | 332856.246 | 2151581.987 | 79.40774872 | 19.45170136 |
| OS26 | 332882.189 | 2151534.925 | 79.40799995 | 19.45127839 |
| OS27 | 332894.706 | 2151484.258 | 79.40812362 | 19.45082172 |
| OS28 | 332967.313 | 2151426.833 | 79.40882014 | 19.45030903 |
| FD1 | 332372.300 | 2152138.550 | 79.40309066 | 19.45668866 |

Geographic Coordinate System - WGS84 Datum (UTM 44 N)

Legend

- Points
- DGPS Surveyed Points
- Area Proposed for Diversion





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

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

34.3665- Ha

10.1221- Ha

| Name | Easting | Northing | Longitude | Latitude |
|------|------------|-------------|-------------|-------------|
| A1 | 308378.302 | 2130422.051 | 79.17677400 | 19.25837273 |
| A2 | 308389.513 | 2130340.422 | 79.17688878 | 19.25763642 |
| A3 | 308382.724 | 2130311.398 | 79.17682711 | 19.25737362 |
| A4 | 308356.418 | 2130274.198 | 79.17658062 | 19.25703510 |
| AAA | 308313.496 | 2130255.858 | 79.17617422 | 19.25668536 |
| A5 | 308275.430 | 2130214.887 | 79.17581627 | 19.25649167 |
| A6 | 308253.395 | 2130181.988 | 79.17560998 | 19.25619240 |
| A7 | 308230.264 | 2130119.215 | 79.17539625 | 19.25562319 |
| A8 | 308227.105 | 2130079.220 | 79.17537021 | 19.25526163 |
| A9 | 308250.106 | 2130074.310 | 79.17558945 | 19.25521946 |
| A9A | 308284.086 | 2130093.641 | 79.17591071 | 19.25539729 |
| A10 | 308355.927 | 2130095.091 | 79.17659374 | 19.25542624 |
| A11 | 308427.644 | 2130066.098 | 79.17727883 | 19.25516212 |
| A12 | 308457.828 | 2130012.850 | 79.17751222 | 19.25468400 |
| A13 | 308461.240 | 2129956.300 | 79.17760932 | 19.25417351 |
| A14 | 308463.427 | 2129930.269 | 79.17763271 | 19.25393859 |
| A15 | 308473.514 | 2129904.402 | 79.17773123 | 19.25370589 |
| A16 | 308487.930 | 2129885.168 | 79.17787026 | 19.25353352 |
| A17 | 308485.712 | 2129858.813 | 79.17785179 | 19.25329525 |
| A18 | 308498.640 | 2129808.431 | 79.17797978 | 19.25284138 |
| A19 | 308501.799 | 2129768.904 | 79.17801377 | 19.25248464 |
| A19A | 308493.670 | 2129726.559 | 79.17794068 | 19.25210137 |
| A20 | 308478.399 | 2129696.805 | 79.17779841 | 19.25183117 |
| A21 | 308506.349 | 2129638.691 | 79.17807003 | 19.25130888 |
| A22 | 308445.508 | 2129637.266 | 79.17749153 | 19.25129024 |
| A23 | 308441.660 | 2129608.420 | 79.17745782 | 19.25102932 |
| A23A | 308420.739 | 2129578.337 | 79.17726184 | 19.25075560 |
| A24 | 308390.589 | 2129578.390 | 79.17697508 | 19.25075322 |
| A25 | 308368.582 | 2129463.730 | 79.17677723 | 19.24971542 |
| A26 | 308233.314 | 2129453.214 | 79.17549179 | 19.24960761 |
| A27 | 308091.576 | 2129513.105 | 79.17414730 | 19.25013524 |
| A28 | 308040.191 | 2129440.988 | 79.17365629 | 19.24947884 |
| A29 | 308043.853 | 2129356.859 | 79.17369953 | 19.24871927 |
| A30 | 307972.805 | 2129346.682 | 79.17302485 | 19.24862059 |
| A31 | 307939.879 | 2129379.231 | 79.17270845 | 19.24891148 |
| A32 | 307934.688 | 2129436.973 | 79.17265331 | 19.24943256 |
| A33 | 307871.922 | 2129452.233 | 79.17205483 | 19.24956443 |
| A34 | 307808.249 | 2129460.015 | 79.17144849 | 19.24962867 |
| A35 | 307832.889 | 2129521.153 | 79.17167671 | 19.25018326 |
| A35A | 307866.425 | 2129508.001 | 79.17199697 | 19.25006765 |
| A36 | 307901.364 | 2129499.330 | 79.17233013 | 19.24999265 |
| A37 | 307904.108 | 2129555.003 | 79.17235066 | 19.25049579 |
| A37A | 307965.459 | 2129543.287 | 79.17293532 | 19.25039580 |
| A38 | 308001.818 | 2129624.361 | 79.17327301 | 19.25113158 |
| A39 | 308025.860 | 2129595.380 | 79.17350457 | 19.25087208 |
| A40 | 308113.176 | 2129625.464 | 79.17433199 | 19.25115211 |
| A40A | 308227.176 | 2129595.927 | 79.17451917 | 19.25089613 |
| A41 | 308301.053 | 2129576.333 | 79.17612375 | 19.25072615 |
| A42 | 308338.311 | 2129638.613 | 79.17647187 | 19.25129225 |
| A43 | 308261.293 | 2129650.379 | 79.17573820 | 19.25139122 |
| A43A | 308198.782 | 2129712.136 | 79.17513751 | 19.25194313 |
| A44 | 308168.846 | 2129741.034 | 79.17484990 | 19.25220132 |
| A44A | 308160.072 | 2129751.936 | 79.17476537 | 19.25229897 |
| A45 | 308099.142 | 2129764.193 | 79.17418465 | 19.25240390 |
| A45A | 308075.942 | 2129750.917 | 79.17396533 | 19.25228177 |
| A45B | 308088.750 | 2129725.564 | 79.17408968 | 19.25205398 |
| A45C | 308082.942 | 2129674.807 | 79.17403951 | 19.25159495 |
| A46 | 308068.591 | 2129656.029 | 79.17390490 | 19.25142397 |
| A47 | 308023.695 | 2129659.872 | 79.17377752 | 19.25145442 |
| A48 | 307981.504 | 2129651.596 | 79.17307708 | 19.25137566 |
| A49 | 307935.625 | 2129684.886 | 79.17263741 | 19.25162200 |
| A50 | 307921.515 | 2129668.531 | 79.17250485 | 19.25152293 |
| A51 | 307885.306 | 2129677.858 | 79.17215955 | 19.25160373 |
| A52 | 307851.348 | 2129698.246 | 79.17183454 | 19.25178467 |
| A53 | 307812.825 | 2129764.922 | 79.17146148 | 19.25238327 |
| A54 | 307830.785 | 2129797.997 | 79.17162898 | 19.25268374 |
| A55 | 307845.804 | 2129842.856 | 79.17176734 | 19.25309017 |
| A56 | 307898.704 | 2129816.044 | 79.17227314 | 19.25285322 |
| A57 | 307906.659 | 2129804.392 | 79.17234996 | 19.25274872 |
| A58 | 307958.353 | 2129783.204 | 79.17284374 | 19.25256225 |
| A59 | 308053.086 | 2129783.341 | 79.17374470 | 19.25257248 |
| A60 | 308069.656 | 2129772.834 | 79.17390335 | 19.25247915 |
| A61 | 308082.097 | 2129779.824 | 79.17402097 | 19.25243447 |
| A62 | 308067.921 | 2129802.339 | 79.17428390 | 19.25274549 |
| A63 | 308035.864 | 2129815.948 | 79.17357766 | 19.25286538 |
| A64 | 307995.301 | 2129825.303 | 79.17319093 | 19.25294603 |
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| A66A | 308006.236 | 2129959.537 | 79.17328150 | 19.25415958 |
| A67 | 308047.584 | 2130035.419 | 79.17366717 | 19.25484894 |
| A68 | 308076.581 | 2130162.066 | 79.17393209 | 19.25599567 |
| A69 | 308118.056 | 2130208.814 | 79.17432028 | 19.25642188 |
| A70 | 308128.845 | 2130241.760 | 79.17441941 | 19.25672050 |
| A71 | 308150.105 | 2130278.707 | 79.17461792 | 19.25705625 |
| A72 | 308155.304 | 2130317.230 | 79.17466352 | 19.25740472 |
| A73 | 308161.670 | 2130349.208 | 79.17472087 | 19.25769117 |
| A74 | 308170.065 | 2130359.662 | 79.17479967 | 19.25778940 |
| A75 | 308196.962 | 2130359.027 | 79.17505556 | 19.25778621 |
| A76 | 308234.170 | 2130347.398 | 79.17541060 | 19.25768470 |
| A77 | 308223.215 | 2130310.506 | 79.17531009 | 19.25735042 |
| A78 | 308193.148 | 2130308.359 | 79.17502434 | 19.25732818 |
| A79 | 308174.348 | 2130291.219 | 79.17483535 | 19.25717154 |
| A80 | 308205.143 | 2130262.599 | 79.17514300 | 19.25691597 |

Legend
 ● DGPS Surveyed Points
 □ Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)
 0 200 400 800 Meters

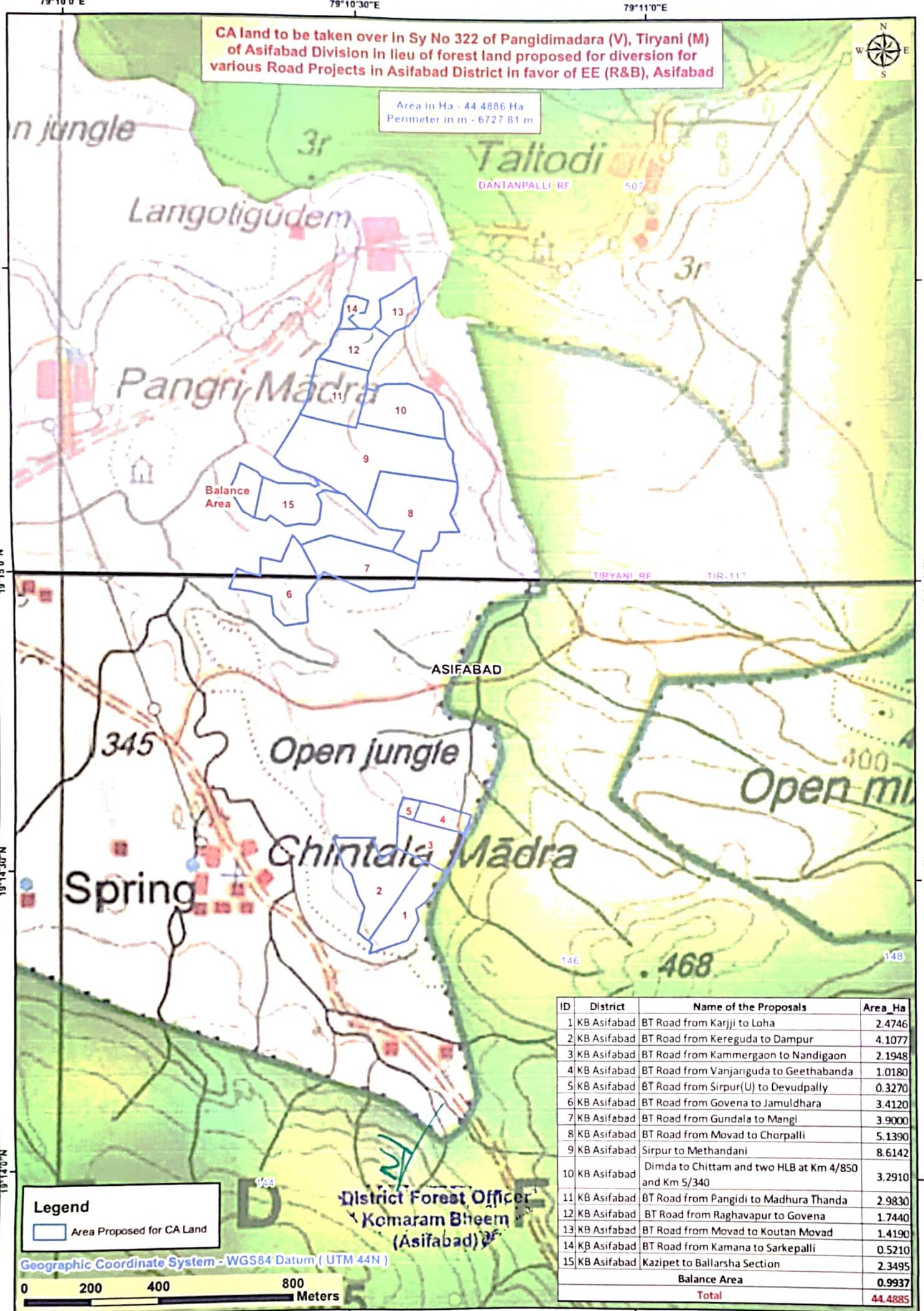
District Forest Officer
 Komaram Bheem
 (Asifabad)

DISTRICT R&B OFFICER
 Executive Engineer
 Kuntam Bheem-Asifabad

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

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

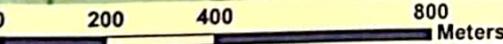
Area in Ha - 44,488.6 Ha
Perimeter in m - 6727.81 m



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

Legend
 Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)



District Forest Officer
 Komaram Bheem
 (Asifabad)

79°10'0"E

79°10'30"E

79°11'0"E

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



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

19°15'30"N

19°15'30"N

19°15'0"N

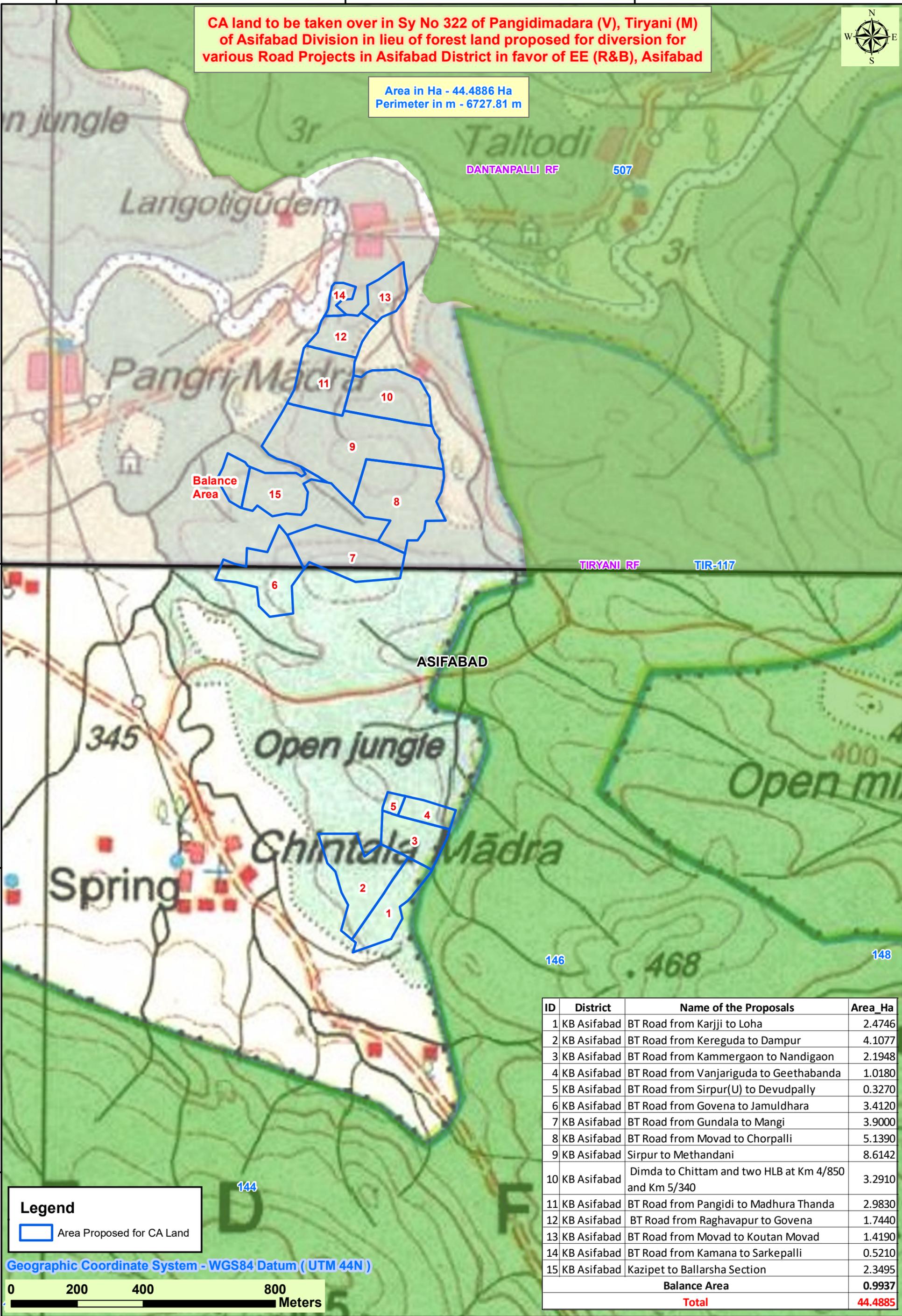
19°15'0"N

19°14'30"N

19°14'30"N

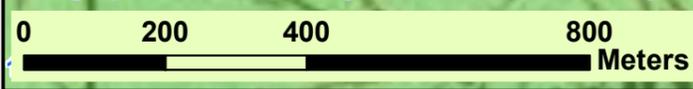
19°14'0"N

19°14'0"N



Legend
Area Proposed for CA Land

Geographic Coordinate System - WGS84 Datum (UTM 44N)



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

79°10'0"E

79°10'30"E

79°11'0"E

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 | 728600 | 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 trench done by user agency | Plant | 10.000 | 19250 | 11.000 | 2.118 | 0.00 | 12.10 | 0.000 | 0 | 13.31 | 0.000 | | | | | | | | | |
| 13 | Purchase of Gachakaya Bag Plants of size 6"x8" for Revist of Stabillization | Plant | 9.773 | | 10.750 | | 7100 | 13.01 | 0.924 | 0.00 | 14.31 | 0.000 | 0 | 15.74 | 0.000 | | | | | | |
| | 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 | | | 0.000 | | | 0 | | | |
| | Sub Total: | | | | 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 Kumram Bheem-Asifabad District in lieu of Diversion of Forest land for (14) Road projects in Asifabad & Kaghnagar Divisions of Kumram 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 | | | 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 | | | 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 Stabilization | | | | | | | | | | | | | | | | | | | | | | 7100 | | 0.924 |
| | Sub Total: | | | 0.000 | | | 3.041 |
| | Nursery Infrastructure | | | | | | | | | | | | | | | | | | | | | | | | |
| | Nursery Infrastructure | | | | | | | | | | | | | | | | | | | | | | 0 | | 0.000 |
| | Sub Total: | | | 0.000 | | | 0.000 |
| E | Planting activities (LI method) - (3m x3m) - | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Stabilization of Gachakaya Seedlings | | | | | | | | | | | | | | | | | | | | | | 14.10 | | 7.771 |
| 15 | Revisit | | | | | | | | | | | | | | | | | | | | | | 7.10 | | 4.508 |
| | Sub Total: | | | 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 | | | | 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

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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 boundaries | Km | 60000 | | 66000 | 0.000 | 3 110 | 72600 | 2.258 | | | | | | | | | | | | | | | |
| 18 | Stabilization of CPT | Km | 47700 | | 52470 | | | 57717 | 0.000 | 3.110 | 63489 | 1.974 | | | | | | | | | | | | |
| 19 | Construction of Mini Percolation Tanks | No | 50000 | | 55000 | | 10 | 60500 | 6.050 | | | | | | | | | | | | | | | |
| 20 | Construction of Check dams | No | 600000 | | 660000 | | 2 | 726000 | 14.520 | 2 | 798600 | 15.972 | | | | | | | | | | | | |
| | Sub Total: | | | | | 0.000 | | | 22.828 | | | 17.946 | | | 0.000 | | | 0.000 | | | 0.000 | | | 0.000 |
| D | Administrative Cost - 10% over DFL Activities | | | | | 0.000 | | | 6.753 | | | 9.959 | | | 3.872 | | | 2.452 | | | 1.472 | | | 1.619 |
| | Total of DFL | | | | | 0.000 | | | 89.279 | | | 114.545 | | | 42.588 | | | 26.972 | | | 16.187 | | | 17.805 |

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

| Sl. No | Item of Work | 2030-31 | | | 2031-32 | | | 2032-33 | | | 2033-34 | | | 2034-35 | | | 2035-36 | | | Grand Total | | | |
|--------|--|---------|-----------------|-------------------|---------|-----------------|-------------------|---------|-----------------|-------------------|---------|-----------------|-------------------|---------|-----------------|-------------------|---------|-----------------|-------------------|-------------|-----------------|-------------------|---------|
| | | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | Phy | Unit Cost (Rs.) | Fin (Rs.in Lakhs) | |
| 1 | 2 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 44 | 45 | 46 | |
| | DEGRADED FOREST LAND (DFL) 45.00 Ha | | | | | | | | | | | | | | | | | | | | | | |
| A | Nursery activities (including casualties) | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Purchase of Bag Plants of size 6"x8" | | | | | | | | | | | | | | | | | | | | 75938 | 9.372 | |
| 2 | Conversion of bag plants from 6"x8" to 9"x11" | | | | | | | | | | | | | | | | | | | | 75938 | 15.741 | |
| 3 | Maintenance of Bag Plants of 9"x11" | | | | | | | | | | | | | | | | | | | | 75938 | 18.254 | |
| | 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 | | | 45.00 | 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

Government of Telangana
Forest Department

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

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

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

Sir,

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

- Ref:- 1. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/ FCA-2, Dt: 28-09-2020.
2. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 16.10.2020, 31.10.2020,16.11.2020 & 23.01.2021.
3. Collector & District Magistrate, KB-Asifabad Lr.No.E2/1278/2020, Dt: 25.02.2021.
4. EE (R&B) Division, KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21, Dt: 13.02.2021.
5. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/-FCA-2, Dt: 25.03.2021.
6. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 08.04.2021, 24.05.2021,13.07.2021, 29.07.2021.
7. F.R.O., Ginnedhary, Rc.No.27/GDY/202122, Dt: 07.08.2021.
8. District R&B Officer (Executive Engineer), KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21/01, Dt: 08.02.2021 (addressed to the Prl.C.C.F., Aranya 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 |

Adilabad
7/6/23

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

| SI No | Name of the Scheme | Area in Ha | Amount in lakhs |
|-------|---|------------|-----------------|
| 1 | CA scheme for Non-Forest CA Land for 45.00 Ha in Sy. No. 322 of Pangidimadra village of Tiryani Mandal of Ginnedhary Range Asifabad Division | 45.00 | 449.021 |
| 2 | CA scheme for Development of Degraded Forest Land for 45.00 Ha in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division | 45.00 | 356.447 |
| | 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 | Cirele | District | Name of the Proposals | CA land required in Ha |
|-------|----------|-------------|--|------------------------|
| 1 | Adilabad | KB-Asifabad | Sirpur to Methandani | 8.6142 |
| 2 | Adilabad | KB-Asifabad | BT Road from Raghavapur to Govena | 1.744 |
| 3 | Adilabad | KB-Asifabad | BT Road from Govena to Jamuldhara | 3.412 |
| 4 | Adilabad | KB-Asifabad | BT Road from Kereguda to Dampur | 4.1077 |
| 5 | Adilabad | KB-Asifabad | BT Road from Gundala to Mangi | 3.9 |
| 6 | Adilabad | KB-Asifabad | BT Road from Kamana to Sarkepalli | 0.521 |
| 7 | Adilabad | KB-Asifabad | BT Road from Vanjariguda to Geethabanda | 1.018 |
| 8 | Adilabad | KB-Asifabad | BT Road from Movad to Chorpalli | 5.139 |
| 9 | Adilabad | KB-Asifabad | BT Road from Movad to Koutan Movad | 1.419 |
| 10 | Adilabad | KB-Asifabad | BT Road from Sirpur (U) to Devudpally | 0.327 |
| 11 | Adilabad | KB-Asifabad | BT Road from Pangidi to Madhura Thanda | 2.983 |
| 12 | Adilabad | KB-Asifabad | HLB on Dimda to Chittam at km 4/850 km 5/340 | 3.291 |
| 13 | Adilabad | KB-Asifabad | Kazipet to Ballarsha Section | 2.3495 |
| 14 | Adilabad | KB-Asifabad | BT Road from Kammergaon to Nadigaon | 2.1948 |
| 15 | Adilabad | KB-Asifabad | BT Road from Karji to Loha | 2.4746 |
| | | | 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 | <ol style="list-style-type: none"> 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 | <p>Cultural Operations. Base camp Maintenance of New Fire Lines Maintenance of Nursery 1st Year maintenance of plantation Animal trackers</p> |
| 2027-28 | <p>2nd Year maintenance of plantation Animal trackers Maintenance of Fire Lines Base camp</p> |
| 2028-29 | <p>3rd Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers Base camp</p> |
| 2029-30 | <p>4th Year maintenance of plantation Maintenance of Fire Lines Animal trackers</p> |
| 2030-31 | <p>5th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers</p> |
| 2031-32 | <p>6th Year maintenance of plantation Maintenance of Fire Lines Animal trackers</p> |
| 2032-33 | <p>7th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers</p> |
| 2033-34 | <p>8th Year maintenance of plantation Maintenance of Fire Lines</p> |
| 2034-35 | <p>9th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines</p> |
| 2035-36 | <p>10th Year maintenance of plantation Maintenance of Fire Lines</p> |

3.11 COST STRUCTURE:

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

| SI No | Year | Amount in Lakhs | | |
|-------|--------------|-----------------|---------------|---------------|
| | | NFL | DFL | Total |
| 1 | 2023-24 | 23.97 | 0.00 | 23.97 |
| 2 | 2024-25 | 334.38 | 89.28 | 423.66 |
| 3 | 2025-26 | 45.53 | 114.54 | 160.08 |
| 4 | 2026-27 | 5.41 | 42.59 | 47.99 |
| 5 | 2027-28 | 4.45 | 26.97 | 31.42 |
| 6 | 2028-29 | 5.96 | 16.19 | 22.15 |
| 7 | 2029-30 | 2.60 | 17.81 | 20.41 |
| 8 | 2030-31 | 4.44 | 10.95 | 15.39 |
| 9 | 2031-32 | 3.03 | 2.40 | 5.44 |
| 10 | 2032-33 | 5.26 | 13.25 | 18.51 |
| 11 | 2033-34 | 3.56 | 2.91 | 6.46 |
| 12 | 2034-35 | 6.24 | 16.03 | 22.28 |
| 13 | 2035-36 | 4.19 | 3.52 | 7.71 |
| | 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, Mancherial shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


**District Forest Officer,
KB-Asifabad**

Site suitability certificate and inspection report of the District Forest Officer, KumramBheem-Asifabad.

Certified that, the following Compensatory Afforestation land of 44.4886 ha identified in Kumram Bheem-Asifabad District for the proposed for diversion of forest land for various road project in Kumram Bheem-Asifabad District of the District (R&B) Officer, Executive Engineer, Kumrambheem Asifabad District. The said area has been inspected by the undersigned on 24.03.2023, the details for which is as follows.

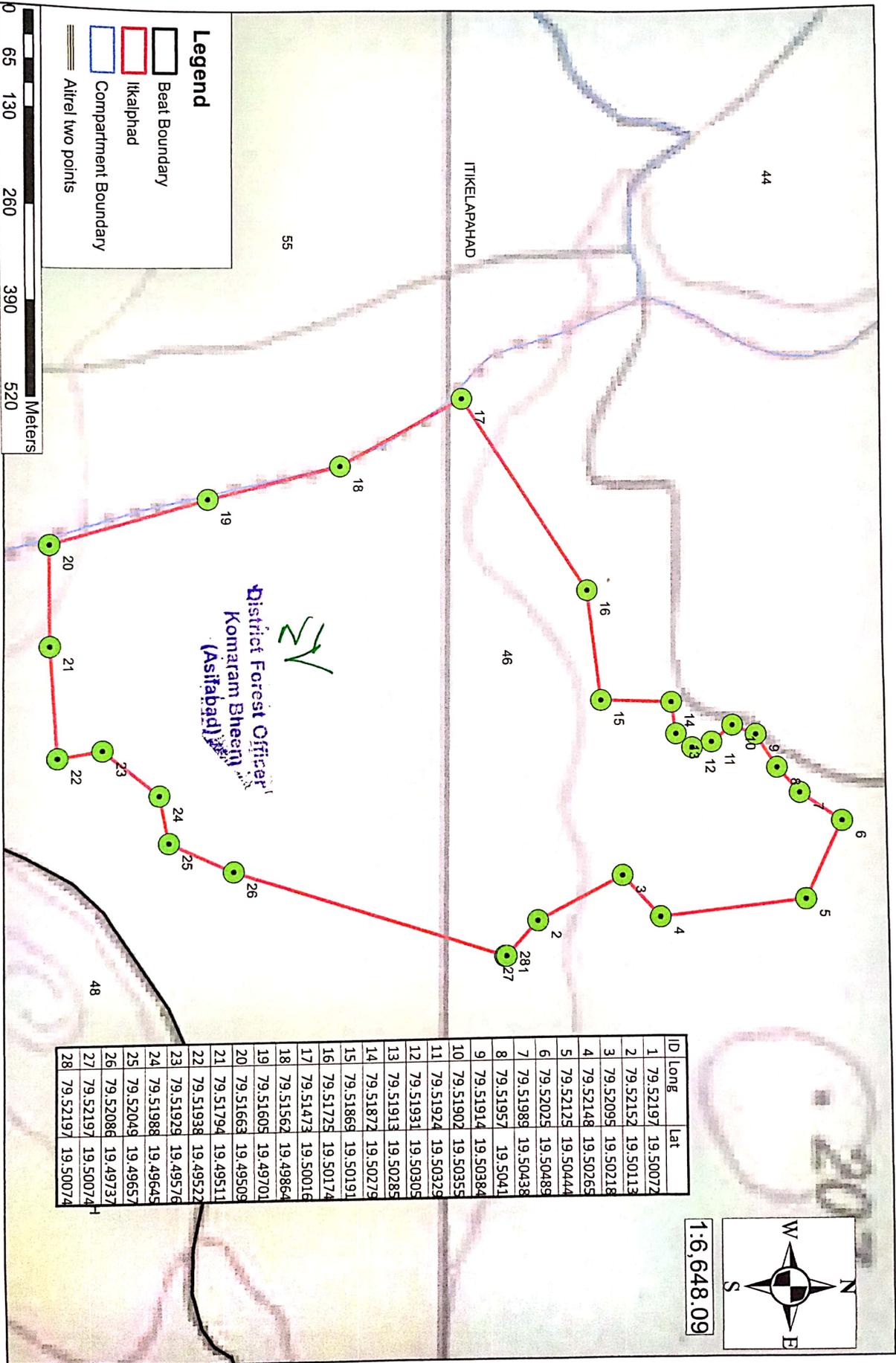
| Sl.No | Sy.No | Extent in Ha | Village | Madal | District | Nearest Forest Block & Compt.No | Distance of non-forest land from nearest forest block | Soil type | Remarks |
|-------|--------|--------------|---------------|---------|-------------|---|---|----------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 322/PP | 44.4886 | Pangidimadara | Tiryani | KB Asifabad | RF Tiryani, Compt No. 146 of Chitalamadara Beat | Adjacent | Mixed with sheetrock | |

Inspected Non-Forest Government land to extent of 44.4886 Ha in Sy. No. 322 of Pangidimadara village of Tiryani Mandal of Ginnedhary Range of Asifabad Division of Kumram-Bheem-Asifabad District identified for raising of Compensatory Afforestation 24.03.2023 along with field staff. During the inspection, the following observations are noticed.

- i) The most of the area is covered with hard soil, boulders and mixed with sheetrock.
- ii) The terrain is undulated and hillock area and the land is adjacent to compartment no. 146 of Chintalamadara Beat.
- iii) The existing vegetation is 0.1 to 0.4 with tree growth consists mainly of Teak (*Tectona grandis*), Moduga (*Butea Monosperma*), Bilugu, Tapsi, Tani (*Terminalia bellarica*) Nemalinarā (*Holoptelia integrifolia*), Nallamaddi (*Terminalia elliptica*), Andugu and Kanuga (*Pongamia pinnata*).
- iv) The Non -Forest land to an extent of 44.4886 Ha is not suitable for taking up plantation.
- v) Non Forest land to an extent of 44.4886 Ha to be taken up under ANR and other forestry operations works.
- vi) Development of Soil and Moisture retention capacity in the area. Major works such as Soil & Moisture conservation works and formation of Water harvesting structures shall be taken up during the 1st & 2nd years of the project to gain the impact of such structure over the vegetation growth in the proposed area.
- vii) The user agency has agreed to taken up the trench work along the periphery of CA Land


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



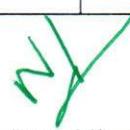
UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2023-24

| 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 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 |


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

| Sl. No. | FSR Code | Item of work | Unit | Quantity | As per FSR | | Amount (Rs.) |
|---------|-----------------|---|----------------|----------|------------|-----|----------------|
| | | | | | Rate (Rs.) | Per | |
| | 01.04.00 | MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed) | | | | | |
| | 01.04.01 | Watering polybag secondary beds twice a day for 4 months | | | | | |
| 1 | a | Manually with rose spray or finely perforated nozzle attached to a hose pipe | Bed/month | 4 | 338.27 | 1 | 1353.08 |
| 2 | 01.04.02 | Weeding once during maintenance year | Bed/weeding | 1 | 68.33 | 1 | 68.33 |
| 3 | 01.04.03 | Shifting, grading and rearrangement in beds | Bed/shifting | 2 | 290.16 | 1 | 580.32 |
| 4 | 01.04.05 | Cost of foliar 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 |


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

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


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

Unit Rate per Ha

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


 District Forest Officer
 KB Asifabad

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

Unit Rate per Ha

| Code | Item of work | 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 | <i>Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.</i> | 1111 | 191.53 | 100 | 2128 |
| 02.09.19 | Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec) | 1111 | 890.24 | 100 | 9891 |
| 02.09.20 | 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 sciculture 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 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/-) | | | | 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 scicature upto 1/3 rd height (to be done during July - Aug) | 1111 | 146.59 | 100 | 1629.00 |
| 02.10.04 | Uprootal of Mahaveera (60% of the area) | 0.60 | 4306.69 | Ha | 2584 |
| 02.01.03 | Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. | 100 | 7.25 | Rmt | 725 |
| 02.11.06 | Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; | 1 | 6508 | Ha | 6508 |
| 02.11.05 | Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-) | | | | 900 |
| | 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
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Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2023-24

Unit Rate per Ha

| FSR Code | Item of work | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|----------|--|------|------------|---------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 02.11.02 | Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug) | 1111 | 890.24 | 100 | 9891 |
| 02.11.03 | Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug) | 1111 | 146.59 | 100 | 1629 |
| 03.05.01 | Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times | 100 | 430.54 | 100 Rmt | 431 |
| 02.11.05 | 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 NTSH Plantation (3m x 3m)SMM per Ha -FSR-2023-

24

Unit Rate per Ha

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

District Forest Officer
KB Asifabad

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

Unit Rate per Ha

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

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

Unit Rate per Ha

| FSR Code | Item of work | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|----------|---|------|------------|---------|--------------|
| 1 | 2 | 4 | 5 | 6 | 7 |
| 02.11.02 | Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)-the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted | 1111 | 890.24 | 100 | 9891 |
| 03.05.01 | Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times | 100 | 430.54 | 100 Rmt | 431 |
| | Unit Rate for FSR 2021-22 | | | | 10322 |


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

Unit Rate per Ha

| FSR Code | Item of work | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|----------------------------------|---|------|------------|---------|--------------|
| 1 | 2 | 4 | 5 | 6 | 7 |
| 02.11.03 | Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug) | 1111 | 146.59 | 100 | 1629 |
| 03.05.01 | Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times | 100 | 430.54 | 100 Rmt | 431 |
| 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 NTSH Plantation (3m x 3m) SMM per Ha -FSR-2023-24

Unit Rate per Ha

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


District Forest Officer
KB Asifabad

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

Unit cost for 1.00 KM

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

Or

60000


 District Forest Officer
 KB Asifabad

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

| Sl. No. | FSR Item No. | Nature of work | Area in Ha/Km. : | | 1.00 | KM | Per | Amount |
|---------|--------------|--|------------------|-----|--------|-----|-----|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | First year operations in ANR areas | | | | | | |
| 1 | | <p>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:</p> | | | | | | |
| | 03.02.02 | <p>1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacment (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. (E) 15% extra over basic rates for revisiting areas only. The total planting points thus works out to be 2750 seedlings per km on trench mound.</p> | | | | | | |
| | | Procurement of seedlings (Gachakaya 2000+ Bamboo-250 + fruit species-500) (2750 +25 % casualities per Kms= 3437 Nos or <u>3450 Nos</u> | 3450 | Nos | 5.50 | 1 | Nos | 18975 |
| | | (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacment (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound. | | | | | | |
| | | (a) Allignment & Stacking (in 2 staggered rows) | 2000 | Nos | 94.82 | 100 | Nos | 1896 |
| | | (b) Cost of preparation of stakes (0.45 m length) and transportation to site | 2000 | Nos | 65.94 | 100 | Nos | 1319 |
| | | (c) Digging of 30 cm 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 / 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 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

| Sl. No. | FSR Item No. | Nature of work | Area in Ha/Km. : | | 1.00 | KM | | |
|---------|--------------|---|------------------|-----|--------|-----|-----|--------|
| | | | 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) 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 seedling (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