

**Government of Andhra Pradesh
Forest Department**

Rc.No. 684/2021-D1,
Dated: 26.06.2023.

Office of the District Forest Officer,
Kakinada Division, Kakinada.

From
Sri.M.V.Prasada Rao, S.F.S.,
District Forest Officer (FAC),
Kakinada Division,
Kakinada

To
The Chief Conservator of Forests,
Rajahmundry Circle,
Rajamahendravaram.

Sir,

Sub: APFD - F(C) Act, 1980 - Diversion of 9.60 ha. of Forest land in Compt.no.154,156 of E.D.Pally and compt. no.110, 111 of Pegha RF in Chintur Division for formation road from Yedugurallapalli to Mallampeta in favour of E.E. PR (PIU) Division, Kakinada - Identification of degraded forest land - Report submission - Reg.

Ref: 1.GoI, MoEF & CC, IRO, Vijayawada F.no.4-APB173/2022-VIJ/1006; Dt:21-06-2023.

2.PrI.CCF & HoFF, AP, Mangalagiri Rc.no. EFS02-15034/83/2018-FCA SEC- PCCF/FCA-3, Dt:22.06.2023.

3.DFO, Chintur Rc.no.1492/2020/C4; Dt:23-06-2023.

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In compliance to the instructions issued in the reference 1st and 2nd cited, I am herewith submitting the Compensatory Afforestation Scheme Proposals for the Afforestation in 9.77 ha of degraded forest land in lieu of diversion of 9.60 ha. of Forest land in Compt.no.154,156 of E.D.Pally and compt. no.110, 111 of Pegha RF in Chintur Division for formation road from **Yedugurallapalli to Mallampeta** in favour of Executive Engineer, Panchayatraj (PIU) Division, Kakinada with a financial outlay of Rs.51.00 lakh.

This is submitted for favour of kind information.

Encl: As Above.

Yours faithfully


26/06/23

District Forest Officer (FAC),
Kakinada Division, Kakinada.

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Copy to the Divisional Forest Officer, Chintur Division, Chintur for information and necessary action.

**SITE INSPECTION REPORT OF COMPENSATORY AFFORESTATION
AREA (NON FOREST C.A LAND) OVER AN EXTENT OF 9.77 HA.
IN KAKINADA RANGE OF KAKINADA (TERRITORIAL) DIVISION.**

Dt:23-06-2023

As per the directions issued in hand book of Forest Conservation Act, 1980 guidelines communicated vide GoI, MoEF, New Delhi F.No.5-2/2017-FC, Dt.28-03-2019, and as per the special provisions of the said guidelines, Compensatory Afforestation shall be raised and maintained at the cost of user agency on Compensatory afforestation land in extent the forest land diverted in case of the projects implemented by the Central Government/PSUs and State Sector Projects implemented by the Central Government/PSUs.

As per these guidelines, it is mandatory to raise Compensatory Afforestation over equal extent of forest area diverted in lieu of diversion of 9.60 ha. of forest land in Compt.no.154,156 of E.D. Pally and compt no.110, 111 of Pegha RF in Chintur Division for formation road from Yedugurallapalli to Mallampeta in favour of E.E. PR (PIU) Division, Kakinada.

CA AREA PROPOSED FOR TREATMENT: The following forest area is identified for raising Compensatory afforestation, over an extent of 9.77 ha. in Kakinada division of Kakinada district as follows:

| Sl. No. | Name of the Range | Name of the area | Total extent of area | Sy.no |
|---------|-------------------|--|----------------------|------------------|
| 1 | Kakinada | Thurangi village of kakinada rural mandal of Kakinada Range, Kakinada division | 9.77 ha. | Thurangi village |


The CA Area was inspected by me on 23-06-2023 along with the Forest Range Officer, Kakinada and concerned staff and the proposed CA area was covered with full Mangrove vegetation and it is not possible to raise any plantation in this area @1000 plants per ha as per the condition no.2.4 (vi) of Hand Book of Guidelines & Clarifications issued under Forest (Conservation) Act, 1980.

"Condition no.2.4 (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".

This CA area was adjoining to the another CA area identified for the Vetukuru to Siripuram road and the IRO, Vijayawada has inspected these CA areas and issued instructions vide condition no. iv of In-principle (stage-I approval) **for identification of the degraded forest land to accommodate required number of the plants in the CA area i.e., 1000 plants / ha.**

In view of the above, it is required to identify the degraded forest land for Compensatory Afforestation to plant @1000 plants/ha for 9.77 ha.


District Forest Officer,
Kakinada Division, Kakinada.


26.06.2023

SITE INSPECTION REPORT OF DEGRADED FOREST LAND (DFL AREA) OVER AN EXTENT OF 9.77 HA. IN YELESWARAM RANGE OF KAKINADA DIVISION. Dt: 24-06-2023

The Non Forest CA land was identified over an extent of 9.77 ha in Thurangi village of kakinada rural mandal of Kakinada Range, Kakinada division in lieu of diversion of forest land for formation road from Yedugurallapalli to Mallampeta in favour of E.E. PR (PIU) Division, Kakinada. But, the proposed CA area was covered with full Mangrove vegetation and it is not possible to raise any plantation in this area @1000 plants/ha as per the condition no.2.4 (vi) of Hand Book of Guidelines & Clarifications issued under Forest (Conservation) Act, 1980. Hence, it is proposed to identify the degraded forest land for Compensatory Afforestation to plant @1000 plants/ha for 9.77 ha.

DEGRADED FOREST LAND PROPOSED FOR TREATMENT: As per the condition no.2.4 (vi) of Hand Book of Guidelines & Clarifications issued under Forest (Conservation) Act, 1980 the following Degraded Forest Land was identified for raising Compensatory afforestation, over an extent of 9.77 ha in Yeleswaram range of Kakinada division, Kakinada:

| Sl. No. | Name of the Range | Details of degraded forest land | Total extent of area |
|---------|-------------------|--|----------------------|
| 1 | Yeleswaram | Anantharam RF, Compt.no. 626, Anantharam Beat, Rowthulapudi Section, Yeleswaram Range, Kakinada division | 9.77 ha. |

The Degraded forest land was inspected by me on 24-06-2023 along with the Forest Range Officer, Yeleswaram and concerned staff. The forest type is medium scrub jungle and density in the proposed land was below 0.4. The following species are existing in this area.


| S.No | Name of the Species | Common name |
|------|-------------------------------|-------------|
| 1 | <i>Soymida febrifuga</i> | Somitha |
| 2 | <i>Madhuca indica</i> | Ippa |
| 3 | <i>Chloroxylon swietenia</i> | Billudu |
| 4 | <i>Emblica officinalis</i> | Usiri |
| 5 | <i>Dendrocalamus strictus</i> | Bamboo |
| 6 | <i>Wrightia tinctoria</i> | Ankudu |
| 7 | <i>Cassia fistula</i> | Rela |

| | | |
|----|------------------------------|---------|
| 8 | <i>Lannea coromandelica</i> | Gumpena |
| 9 | <i>Cleistanthus collinus</i> | Kodisa |
| 10 | <i>Acacia sundra</i> | Sandra |

The following works are to be proposed in the degraded forest land:

1. ANR planting is proposed for entire area i.e., 9.77 ha with 1000 plants per ha with suitable species like *Soymida febrifuga*, *Madhuca indica*, *Emblica officinalis* and *Dendrocalamus strictus* etc.,
2. Raising of Nursery including maintenance.
3. SMC Works proposed in DFL area such as Cattle proof trench, MPTs, Semilunar trenches, RFDs etc.,
4. Watch and ward for plantation.
5. Over heads.


 District Forest Officer,
 Kakinada Division, Kakinada.


 26.06.2023

DATA

Area - 9.77 ha

NAME OF THE WORK: The Scheme Proposals for the Afforestation in 9.77 ha of degraded forest land in lieu of Diversion of 9.60 ha. of Forest land in Compt.no.154,156 of E.D. Pally and compt no.110, 111 of Pegha RF in Chintur Division for formation road from Yedegurallapalli to Mallampeta in favour of E.E. PR (PIU) Division, Kakinada

Unit: 1 ha

Espacement : 1000plant

| Sl.no. | Name of the component | | Amount Rs. |
|--------|--|---|-------------------|
| 1 | Advance Operations -2023-24 | | |
| | a) Advance Opearations 2023-24 | - | 5500 |
| | b) Raising of Nurseries 2023-24 (Including Casualities $1000*20\% = 200$, $1000+200 = 1200*33.47 = 40164$) | - | 40164 |
| | Total | - | 45664 |
| | | | or |
| | | | 45700 |
| 2 | Raising of Plantation -2024-25 (Including Maintenance of Nurseries, Raising of Plantation and Maintenance of Plantation) | | Amount Rs. |
| | a) Maintenance of Nursery 2024-25 (Including Casualities $1000*20\% = 200$, $1000+200 = 1200*4.82 = 5784$) | - | 5784 |
| | b) Raising of plantation 2024-25 | - | 83800 |
| | c) Raising of nursey for 1st year maintenance of plantation (25 % Casualities = $1000*25\% = 250$, $250*36.82 = 9205$) ($33.47*10\% = Rs.36.82$) | - | 9205 |
| | Total | - | 98789 |
| | | | or |
| | | | 98800 |
| 3 | 1st year Maintenance of Plantation - 2025-26 | | Amount Rs. |
| | a) Maintenance of Nursery for 1st year Mtc.of plantation 2025-26 (25 % Casualities = $1000*25\% = 250$, $250*5.30 = 1325$) | - | 1325 |
| | b) 1st year maintenance of plantation 2025-26 | - | 29500 |
| | Total | - | 30825 |
| | | | or |
| | | | 30900 |


26/06/23
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Kakinada Division, Kakinada

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Data for raising of Primary beds for raising 5"x9" size bag nursery 2022-23

Unit: 1 Bed


| Sl. No. | Quantity | Description of the Work | FSR 2022-23 | Unit | Rate | Per | Amount |
|--------------|----------|--|------------------|--------|--------|-----|-----------------|
| 1 | 1 | Preparation of site by clearing growth of unwanted species, uprootal of stumps and removal of surface stones etc. - New site | 1.1.1 | Beds | 70.50 | 1 | 70.50 |
| 2 | 1 | Digging soil to a depth of 30 cm. (10x1x0.30 = 3.0 cum per bed) (3.64 mandays @ Rs.525/- Per manday = 525*3.64/10*3 =502.32) (As per CSSR 2020-21 labour rates item III.3-LAB-00120) | 1.1.3 | Beds | 573.30 | 1 | 573.30 |
| 3 | 1.250 | Cost of sandy soil (50% of dugup quantity) taken from private lands and transportation over 5 km. lead including loading and unloading charges by manual means (Sandy soil and FYM. in 5:1 proportion) 0.125 cum per bed (of sixe 1mx1mx0.30m) | 1.1.4 | Cum | 587.70 | 1 | 734.63 |
| 4 | 0.250 | Cost and transport of farm yard manure (Sandy soil and FYM. in 5:1 proportion) @ 0.025 cum per bed (Proportionate rate and quantity for 10Mx1Mx0.30M) | 1.1.5 | Cum | 600 | 1 | 150.00 |
| 5 | 1 | Preparation of soil mixture of red earth, sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed with soil mixture (Proportionate rate for 10Mx1Mx0.30M) | 1.1.6 | Beds | 147.90 | 1 | 147.90 |
| 8 | 5 | Cost of seed (Average rate of 5 species) | | Kgs | 211.63 | 1 | 1,058.15 |
| 9 | 1 | Seed treatment for other species | 1.8.2 | Beds | 67.76 | 1 | 67.76 |
| 10 | 1 | Sowing of seed and covering the seed with hay including cost and conveyance to a thickness of 2.5 cm. | 1.9.1 | Beds | 16.78 | 1 | 16.78 |
| 11 | 1 | Cost of hay & conveyance to nursery site. | 1.9.3 | Beds | 25.28 | 1 | 25.28 |
| 12 | 1 | Watering the primary nursery beds -with rose water cans for a maximum two months (proportionate rate) manually | 1.10.7 | Beds | 187.80 | 1 | 375.60 |
| 13 | 8 | Weeding the primary beds for a maximum period of 2 times | 1.10.8 | Beds | 27.80 | 1 | 444.80 |
| 14 | 1 | Cost of Pesticides / Fertilizers | 1.10.48 | Beds | 100.00 | 1 | 100.00 |
| 15 | 1 | Application of fertilisers. | 1.10.49 | Beds | 4.92 | 1 | 4.92 |
| 16 | 1 | Cost of Protection: 1 Watch & Ward (8 Months August to March) (Rate as per RSSR for 26 days @ Rs.245/- per day) upto 100 beds and for above 100 beds 2 watch and ward. | Rs.245/- per day | Months | 560.56 | 1 | 560.56 |
| 17 | L.S | Contingencies and unforeseen items like Cost of Pipes/ Nursery Board / Nursery implements/ Electricity Bill/ Running & Maintenance Charges of Oil Engine etc., | LS | | ≤10% | | 432.29 |
| Total | | | | | | | 4,762.47 |

Rate for 2022-23 for raising of 1 Bed size 10x1x0.30 NTSW seedlings = Rs.4762

Rate for 2022-23 per each seedling = 4762/1100= Rs.4.33

Rate for 2023-24 = 4.33*10% = Rs.4.76


 District Forest Officer
 Kakinada Division, Kakinada



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Data for raising of 5" X 9" Bag nursery 2022-23

Unit: 1000 Nos.

| Sl. No. | Quantity | Description of the Work | FSR 2022-23 | Unit | Rate | Per | Amount |
|--------------|----------|---|--------------------|------|---------|------|-----------------|
| 1 | 3.31 | Cost of Polythene bags @ 170.50/- per kg (5x9-200/3300 =2.732*1100/ 1000*10% extra towards wastage= 3.3057 Kg =366 bags per kg) including VAT | As per tender rate | Kgs | 170.50 | 1 | 563.62 |
| 2 | 1000 | Site Preparation-New site-Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc., | 1.7.1 | No. | 42.28 | 1000 | 42.28 |
| 3 | 1100 | Cost and transport of ingredients for potting mixture Red earth, Sand, Tank silt/ Clay & FYM/Vermi compost in 2:1:1:1 Ratio. 12.5cm X 22.5 cm (5"x9")-1.12 cum (Data as per CSSR) | 1.7.4 | No. | 1148.14 | 1000 | 1262.95 |
| 4 | 1100 | Preparation of potting mixture Red earth, Sand, Tank silt /Clay and FYM /Vermi Compost in 2:1:1:1 ratio 12.5cmX22.5cm (5"X9") 1.12 cum | 1.7.9 | No. | 948.77 | 1000 | 1043.65 |
| 5 | 1100 | Pricking out seedlings from primary beds and transplanting in bags | 1.9.7 | No. | 191.29 | 1000 | 210.42 |
| 6 | 250 | Replacement of Casualties upto a maximum of 25% | 1.9.7 | No. | 191.29 | 1000 | 47.82 |
| 7 | 1000 | Watering the bag nursery from November to March. Twice a day for 5 months | 1.10.12 | No. | 207.97 | 1000 | 623.91 |
| 8 | 1000 | Weeding only two times for 10mX 1m X size bed 12.5cmX22.5cm (5"X9") bags (1700nos/ bed) | 1.10.16 | No. | 40.12 | 1000 | 160.48 |
| 9 | 1000 | Shifting, grading and rearranging bags in beds | 1.11.2 | No. | 168.48 | 1000 | 168.48 |
| 11 | 1 | Providing Plantation/ Nursery board, Painting and fixing (Unit taken with a minimum of 5000 bag nursery) | 5.4.25 | No. | 1894.74 | 1 | 378.948 |
| 12 | 1000 | Cost of chemicals | 1.10.56 | No. | Actuals | 1000 | 100 |
| 13 | 1000 | Cost of cow dung slurry | 1.10.58 | No. | Actuals | 1000 | 100 |
| 14 | 1000 | Application cow dung slurry | 1.10.59 | No. | 283.06 | 1000 | 283.06 |
| 12 | LS | Contingencies and other unforeseen items not exceeding 10% of estimated cost | | | | | 498.62 |
| 13 | 1200 | Added for Primary Bed cost | As per data | No. | 4.33 | 1 | 5196.00 |
| TOTAL | | | | | | | 10680.24 |

Rate for 2022-23 for raising of 1000 nos 5"x9" seedlings =Rs.10680/-. Therefore the rate per each seedling =10680/1000=
Rate for 2023-24 per each seedling = 10.68*10% = Rs.11.75


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 Kakinada Division, Kakinada

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Data for Maintenance of 1,000 Nos 5"x9" Bag nursery 2022-23

Unit: 1000 Nos.

| Sl. No | Quantity | Description of the Work | FSR 2022-23 | Unit | Rate | Per | Total Amount |
|--------------|----------|---|-------------------------------|---------------------|--------|------|-----------------|
| 1 | 1,000 | Watering the plants for 10 m X 1 m size bed 12.5 X 22.50 cm (5"X 9") bags, for 4 months i.e. April to July | 1.10.20 | 1000 Nos / Month | 207.97 | 1000 | 832.00 |
| 2 | 1,000 | Weeding four times for 10 m X 1 m size bed 12.5 X 22.50 cm (5"X 9") bags, for 4 months i.e. April to July | 1.10.24 | 1000 Nos / Weeding | 40.12 | 1000 | 160.00 |
| 3 | 1,000 | Shifting and grading and re-arranging in beds for 10 m X 1 m size bed 12.5 X 22.50 cm (5"X 9") bags, two shifts in maintenance year for 4 months i.e. April to July. | 1.11.6 | 1000 Nos / Shifting | 168.48 | 1000 | 337.00 |
| 4 | 1,000 | Cost and conveyance of Cow dung slurry | As per market rate 1.10.58 | No. | 600 | 1000 | 600.00 |
| 5 | 1,000 | Application of cow dung slurry at the rate of 100ml to 250 ml / Chemical fertilizers / Vermicompost per plant monthly twice (Two times in maintenance year) | 1.10.59 | 1000 Nos / 1 time | 283.06 | 1000 | 566.00 |
| 6 | LS | Contingencies and unforeseen items such as cost of Diesel Oils and current Charges etc., | Special Conditions 43 (a) | ≤5% | - | - | 125.15 |
| TOTAL | | | | | | | 2,620.15 |

Rate for 2022-23 per each seedling = 2620/1000 = Rs.2.62

Rate for 2023-24 per each seedling = 2.62*10% = Rs.2.88

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District Forest Officer

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UNIT COST

RAISING OF BAG PLANTS NURSERY 8"x12" X 400 GAUGE 2022-23

Unit 1000 Bags.

| Sl. No. | Qty. | Details of work | FSR 2022-23 | Rate | Per | Amount |
|-------------------------|--------------------|---|-----------------------|---------|---------|-----------------|
| 1 | 1000/ 1.25 bed | Site preparation for old site - Clearing of growth, weeds, grass etc., | 1.7.2 | 22.48 | 800/bed | 28.10 |
| 2 | 1000/ 11.63 Kg. | Cost of polythene bags | As per tender rate | 170.50 | Kg. | 1982.92 |
| 3 | 1000 | Cost of Plant - 5x9 (Raising + Mtc = 11.75+2.88= 14.63 or 15.00) | | 15.00 | 1 | 15000.00 |
| 4 | 1000 | Cost and transport of ingredients for Potting mixture Red earth,, sand, Tank silt/Clay, FYM/Vermicompost in 2:1:1:1 ratio for 8"x12" (3915.98-1148.14=2767.84) | 1.7.6 | 2767.84 | 1000 | 2767.84 |
| 5 | 1000 | Preparation of potting mixture Red earth,, sand, Tank silt/Clay, FYM/Vermicompost in 2:1:1:1 ratio by powdering of various ingradients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finer tips and arranging in beds for 8"x12" (2928.48-847.12=2081.36) | 1.7.12 | 2081.36 | 1000 | 2081.36 |
| 6 | 1000 | Transplanting in the bags. | 1.9.9 | 295.50 | 100 | 2955.00 |
| 7 | 1000 | Watering the bag plants for 4 months | 1.10.14 | 394.60 | 1000 | 1578.40 |
| 8 | 1000 | Weeding only four times | 1.10.18 | 76.10 | 1000 | 304.40 |
| 9 | 1000 | Shifting & grading for 1 shift | 1.11.4 | 319.69 | 1000 | 319.69 |
| 10 | 1000 | Cost of Chemicals | 1.10.56 | Actuals | 1000 | 200.00 |
| 11 | 1000 | Cost of cow dung slurry | 1.10.58 | Actuals | 1000 | 200.00 |
| 12 | 1000 | Application of cow dung slurry @ 100 ml to 250 ml per plant one time (watering should not be done 12 hours before and after application of cow dung slurry) | 1.10.59 | 252.74 | 1000 | 252.74 |
| 13 | 1000/1.25 beds | Contingencies (10%) | | LS | | 2767.80 |
| Rate as per FSR 2022-23 | | | | | | 30438.25 |

2022-23 Rate per plant = 30438/1000 = Rs.30.43

2023-24 Rate per plant = 30.43*10%= Rs.33.47

2024-25 Rate per plant = 33.47*10% = Rs.36.82


District Forest Officer
Kakinada Division, Kakinada

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DATA

Maintenance of Tall Plants Nursery in Polypots Size 8"x12" with 400 Guage for 2022-23.

Unit : 1000 Nos / Per Bed

| Sl. No. | Quantity | Description of the Work | FSR 2022-23 | Rate for 2022-23 | Per | Amount for 2022-23 |
|---------|----------|---|-------------|------------------|--------------|--------------------|
| 1 | 1,000 | Watering the bag plants for 4 months | 1.10.22 | 441.95 | 1000/month | 1768 |
| 2 | 1,000 | Weeding only four times in 10m x 10 size bed 8"x12" bags | 1.10.26 | 85.23 | 1000/weeding | 341 |
| 3 | 1,000 | Shifting & grading for 2 shifts | 1.11.8 | 358.05 | 1000/shift | 716 |
| 4 | 1,000 | Cost of cow dung slurry | 1.10.58 | Actuals | 1000 | 200 |
| 5 | 1,000 | Application of cow dung slurry @ 100 ml to 250 ml per plant two times in maintenacew year (Watering should not be done 12 hours before and after application of cow dung slurry (2 times) | 1.10.59 | 283.06 | 1000/time | 566 |
| 6 | 1,000 | Cost of Chemicals | 1.10.56 | Actuals | 1000 | 200 |
| 7 | 1,000 | Contingencies (5%) | | LS | | 193 |
| | | Rate as per FSR 2022-23 | | | | 3984 |


2022-23 Rate per plant = 3984/1000 = Rs.3.98

2023-24 Rate per plant = 3.98*10% = Rs.4.38

2024-25 Rate per plant = 4.38*10% = Rs.4.82

2025-26 rate per plant = 4.82*10% = Rs.5.30


 26/06/23
 District Forest Officer
 Kakinada Division, Kakinada


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DATA FOR ADVANCE OPERATIONS OF NTHW PLANTATION 1000PLANTS / HA (Unit-1ha)

Unit 1 ha
Espacement 1000 nos / ha

| Sl. No | Description of work | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Add 25 % AA | Total | Per | Amount (Rs) | calender of operations |
|---|--|------------------------|------|------------|-------------|---------|-----|-------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Survey with GPS (Only staff to carry out GPS survey, one manday is allowed for assistance) | 5.1.1 | 1 | 269.5 | | 269.50 | 1 | 270 | Dec/Jan |
| Specification:- Survey & demarcation of plantation sites by cutting boundary line to a width of 2m - New area | | | | | | | | | |
| 2 | Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc., spreading the cut material all over the site and burning the same. -Sparse Jungle growth (< 10% ground area covered with Jungle growth) | 2.1.1 | 1 | 2963.09 | | 2963.09 | ha | 2963 | Dec/Jan |
| Specification:- Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc., | | | | | | | | | |
| 3 | Dragging unburnt material and keeping outside the plantation site | 2.1.21 | 1 | 2087.32 | | 2087.32 | ha | 2087 | Dec/Jan |
| 4 | Contingencies | | | | | | | 189 | |
| | | | | | | | | 5509 | |


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DATA FOR RAISING OF NTHW PLANTATION 1000PLANTS / HA

Unit 1 ha Espacement : 1000plant /ha.

| Sl. No | Description of work | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Add 25 % AA | Total | Per | Amount (Rs.) | calendar of operations |
|-----------------------------------|---|------------------------|------|------------|-------------|---------|-----|--------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Clearing rank growth at the planting point for plants | 2.1.16 | 1000 | 275.418 | | 275.42 | 100 | 2754 | April |
| 2 | Cost of 0.45 m stake- preparation and transportation to site. (RSSR Sl.No.19 Cat-1 (c)) | 2.2.1 | 1000 | 67.287 | | 67.287 | 100 | 673 | April |
| 3 | Alignment and stacking including laying base line for teak, casuarina with espacement 3m x 3m (1110 Nos) | 2.2.3 | 1000 | 126.19 | | 126.19 | 100 | 1262 | May |
| 4 | Formation and maint. of inspection paths & sector lines in planting year | 5.4.2 | 200 | 10.54 | | 10.54 | 1 | 2108 | May |
| 5 | Digging of 45 cm. cube pits (0.45x0.45x0.45=0.091*228.99=20.866) RSSR 6 (e) | 2.3.9 | 1000 | 20.87 | | 20.87 | 1 | 20866 | June / July |
| 6 | Transport of Bag plants / Root trainers plants from nursery site to plantation site including loading and unloading upto 5 km lead (approved in Pri CCF (HoFF), A.P., Hyderabad Rc. No. 9443/2012/CAMPA, dt. 26.06.2012) 20 x 30 cm (8"x12") bag plants including casualities (1000*20%=200+1000=1200) | 2.4.4 | 1200 | 421.96 | | 421.96 | 100 | 5064 | June / July |
| 7 | Transport of Bag plants / Root trainers plants from nursery site to plantation site including loading and unloading beyond 5 KM extra for every KM, 20 x 30 cm (8"x12") bag plants (from nursery to Plantation site = 50 KM - 5 KM = 45 KM) 14.94*45=672.3 per 100 including casualities (1000*20%=200+1000=1200) | 2.4.7 | 1200 | 672.3 | | 672.3 | 100 | 8068 | June / July |
| 8 | Planting in 0.45 X 0.45 X 0.45 Size pit (RSSR 2021-22 SL. No.20 (e) ii. @ 4.917/-each | 2.5.7 | 1000 | 4.917 | | 4.917 | 1 | 4917 | June / July |
| 9 | Cost of Chemical fertilisers (20 gm. DAP for plant).1000*1=1000/100=10 Kgs | As per actuals | 10 | 40 | | 40 | 1 | 400 | June / July |
| 10 | Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cm. away from plant amd putting fertilizers and closing | 2.5.4 | 1000 | 55.88 | | 55.88 | 100 | 559 | June / July |
| 11 | Cost of Masonry Name board including painting, lettering and fixing | 5.4.26 | 1 | 5221.96 | | 5221.96 | 1 | 5222 | July |
| Replacement of casualities | | | | | | | | | |
| 12 | Reopening of of 45 X 45 X 45 cm. = 0.091 cum. (per cum 200x0.091=20.87/2=10.43) | 2.3.28 | 200 | 10.43 | | 10.43 | 1 | 2087 | August |
| 13 | Planting in 0.45 X 0.45 X 0.45 Size pit (RSSR 2018-19 SL. No.20 (e) ii. @ 4.917/-each | 2.5.7 | 200 | 4.92 | | 4.92 | 1 | 983 | June / July |
| 14 | 1st Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August (PCCF Rc.No. 9443/ 2012/ CAMPA, dt.05.10.2012) | 2.7.4 | 1000 | 164.813 | | 164.813 | 100 | 1648 | July / August |
| 15 | 2nd Circular Weeding to a radius of 0.5 m. around the plant - 2nd time during September / October (PCCF Rc.No. 9443/ 2012/ CAMPA, dt.05.10.2012) 2nd time | 2.7.4 | 1000 | 164.813 | | 164.813 | 100 | 1648 | Sept/ Oct |
| 16 | Soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant during November/ December. | 2.7.5 | 1000 | 290.62 | | 290.62 | 100 | 2906 | Nov/ Dec |
| 17 | Contingencies | | | | | | | 1965 | |
| Total per 1 ha | | | | | | | | 63129 | |

For 9.77 ha

18 Watch and ward 1 no 12 Mon (407/day)
Total

1 No

10582

10582 1 Mon

616769

126984

743753

76126

1 ha rate

2023-24
2024-25

76126
83739 or
83800


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Data for 1st Year maintenance of Non Teak Hard wood Species Plantation 1000plants /ha

Unit 1 ha Espacement : 1000plant /ha.

| Sl. No | Cultural Operations | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Add 25 % AA | Total | Per | Amount (Rs.) | Calender of operations |
|--------|---|------------------------|------|------------|-------------|------------------|-------|---------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7.00 | 8 | 9 | 10 |
| 1 | 1st Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August and 2nd time during September / October (PCCF Rc.No. 9443/2012/ CAMPA, dt.05.10.2012) | 2.7.4 | 1000 | 164.81 | | 164.81 | 100 | 1648 | July / August |
| 2 | 2nd Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August and 2nd time during September / October (PCCF Rc.No. 9443/2012/ CAMPA, dt.05.10.2012) 2nd time | 2.7.4 | 1000 | 164.81 | | 164.81 | 100 | 1648 | Sept/ Oct |
| 3 | Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows in High rainfall zone > 800 mm (as approved in FSR Zonal committee meeting dt.21.03.2013) | 2.6.2 | 1 | 2291.432 | | 2291.43 | 1 | 2291 | July / Aug |
| 4 | Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows in High rainfall zone > 800 mm (as approved in FSR Zonal committee meeting dt.21.03.2013) | 2.6.2 | 1 | 2291.432 | | 2291.43 | 1 | 2291 | Oct / Nov |
| 5 | Soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant during November/ December. | 2.7.5 | 1000 | 290.62 | | 290.62 | 100 | 2906 | Oct / Nov |
| 6 | Maintenance of inspection paths and sector lines | 5.4.3 | 100 | 3.355 | | 3.36 | 1 Rmt | 336 | Jan/Feb |
| | Contingencies | | | | | | | 269 | |
| | Total | | | | | | | 11390 | |
| | For 9.77 ha | | | | | | | 111276 | |
| | Watch and ward 1 no 12 Mon (407/day) | | 1 No | 10582 | | 10582 | 1 Mon | 126984 | |
| | Total | | | | | | | 238260 | |
| | | | | | | 1 ha rate | | 24387 | |

2023-24
2024-25
2025-26

24387
26826
29508 or
29500


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lue
 26.06.2023

Data for 2nd Year maintenance of Non Teak Hard wood Species Plantation 1000plants /ha

| Sl. No | Cultural Operations | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Unit | | Total | Per | Amount (Rs.) | Calender of operations |
|--------|---|------------------------|------|------------|------|-----------------------------|------------------|-------|---------------|------------------------|
| | | | | | 1 ha | Espacement : 1000plant /ha. | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7.00 | 8 | 9 | 10 | |
| 1 | 1st Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August and 2nd time during September / October (PCCF Rc.No. 9443/ 2012/ CAMPA, dt.05.10.2012) | 2.7.4 | 1000 | 164.81 | | | 164.81 | 100 | 1648 | July / August |
| 2 | 2nd Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August and 2nd time during September / October (PCCF Rc.No. 9443/ 2012/ CAMPA, dt.05.10.2012) 2nd time | 2.7.4 | 1000 | 164.81 | | | 164.81 | 100 | 1648 | Sept/ Oct |
| 3 | Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows in High rainfall zone > 800 mm (as approved in FSR Zonal committee meeting dt.21.03.2013) | 2.6.2 | 1 | 2291.43 | | | 2291.43 | 1 | 2291 | July / Aug |
| 4 | Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows in High rainfall zone > 800 mm (as approved in FSR Zonal committee meeting dt.21.03.2013) | 2.6.2 | 1 | 2291.43 | | | 2291.43 | 1 | 2291 | Oct / Nov |
| 5 | Soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant during November/ December. | 2.7.5 | 1000 | 290.62 | | | 290.62 | 100 | 2906 | Oct / Nov |
| | Maintenance of inspection paths and sector lines | 5.4.3 | 100 | 3.66 | | | 3.66 | 1 Rmt | 366 | Jan/Feb |
| 6 | Contingencies | | | | | | | | 286 | |
| | Total | | | | | | | | 11437 | |
| | For 9.77 ha | | | | | | | | 111740 | |
| | Watch and ward 1 no 12 Mon (407/day) | | 1 No | 10582 | | | 10582 | 1 Mon | 126984 | |
| | Total | | | | | | | | 238724 | |
| | 1ha rate | | | | | | 1 ha rate | | 24434 | |

| | |
|---------|----------------|
| 2023-24 | 24434 |
| 2024-25 | 26878 |
| 2025-26 | 29566 |
| 2026-27 | 32522 or 32600 |


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Data for 3rd Year to 5th year maintenance of Non Teak Hard wood Species Plantation 1000plants /ha

| | | Unit | | 1 ha | | Espacement : 1000plant /ha. | | | |
|--------|---|------------------------|------|------------|-------------|-----------------------------|-------|--------------|------------------------|
| Sl. No | Cultural Operations | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Add 25 % AA | Total | Per | Amount (Rs) | Calender of operations |
| 1 | 2 | 3 | 4 | 5 | 6 | 7.00 | 8 | 9 | 10 |
| 1 | Circular Weeding to a radius of 0.5 m. around the plant - 1st time during July / August and 2nd time during September / October (PCCF Rc.No. 9443/ 2012/ CAMPA, dt.05.10.2012) | 2.7.4 | 1000 | 164.81 | | 164.81 | 100 | 1648 | July / August |
| 2 | Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows in High rainfall zone > 800 mm (as approved in FSR Zonal committee meeting dt.21.03.2013) | 2.6.2 | 1 | 2291.43 | | 2291.43 | 1 | 2291 | July / Aug |
| 3 | Soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant during November/ December. | 2.7.5 | 1000 | 290.62 | | 290.62 | 100 | 2906 | Oct / Nov |
| 4 | Maintenance of inspection paths and sector lines | 5.4.3 | 100 | 3.66 | | 3.66 | 1 Rmt | 366 | Jan/Feb |
| 5 | Contingencies | | | | | | | 241 | |
| | Total | | | | | | | 7453 | |

For 9.77 ha **72812**
 Watch and ward 1 no 12 Mon (407/day) 1 No 10582 10582 1 Mon **126984**
 Total **199796**
 1ha rate **1 ha rate** **20450**

| | | |
|-------------------------------|----------|-------|
| 2023-24 | 20450 | |
| 2024-25 | 22495 | |
| 2025-26 | 24744 | |
| 2026-27 | 27219 | |
| 3rd year maint - 2027-28 | 29941 or | 30000 |
| 4th year Mainenance - 2028-29 | 32935 or | 33000 |
| 5th year Mainenance - 2029-30 | 36228 or | 36300 |


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Data for 6th year to 10th year maintenance of Non Teak Hard wood Species Plantation 1000plants /ha

| Sl. No | Cultural Operations | FSR 2022-23 (10% hike) | Qty. | Rate (Rs.) | Unit | | Espacement : 1000plant /ha. | | | Calender of operation s |
|--------|--------------------------|---------------------------------|------|------------|------|----------------|-----------------------------|------------|-----------------|----------------------------------|
| | | | | | 1 ha | Add 25 % AA | Total | Per | Amount (Rs.) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7.00 | 8 | 9 | 10 | |
| 1 | Maintenance of firelines | 5.4.3 | 100 | 3.66 | | 3.66 | 1 Rmt | 366 | Jan/Feb | |
| 2 | Contingencies | | | | | | | 11 | | |
| | Total for 1 ha | | | | | | | 377 | | |

| | | |
|--------------------------------|---------|------|
| 2023-24 | 377 | |
| 2024-25 | 415 | |
| 2025-26 | 456 | |
| 2026-27 | 502 | |
| 2027-28 | 552 | |
| 2028-29 | 607 | |
| 2029-30 | 668 | |
| 6th year Mainenance - 2030-31 | 735 or | 800 |
| 7th year Mainenance - 2031-32 | 808 or | 800 |
| 8th year Mainenance - 2032-33 | 889 or | 900 |
| 9th year Mainenance - 2033-34 | 978 or | 1000 |
| 10th year Mainenance - 2034-35 | 1076 or | 1100 |


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