

**Government of Andhra Pradesh  
Forest Department**

Rc.No. 684/2021-D1(i),  
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 2.84 ha. of Forest land in Compt.no.138, 9 &10 of Gollaguppa Extn-I RF & Bandirevu RF, Nellipaka range Chintur Division for formation and BT including Construction of culverts to the road from R&B road to Gollaguppa(v) 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.Prl.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 1<sup>st</sup> and 2<sup>nd</sup> cited, I am herewith submitting the Compensatory Afforestation Scheme Proposals for the Afforestation in 2.88 ha of degraded forest land inlieu of Diversion of 2.84 ha. of Forest land in Compt.no.138, 9 &10 of Gollaguppa Extn-I RF & Bandirevu RF, Nellipaka range Chintur Division for formation and BT including Construction of culverts to the **road from R&B road to Gollaguppa(v)** in favour of Executive Engineer, Panchayatraj (PIU) Division, Kakinada with a financial outlay of Rs.15.00 lakh.

This is submitted for favour of kind information.

Yours faithfully

Encl: As Above.

  
26/06/23  
District Forest Officer (FAC),  
Kakinada Division, Kakinada.

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

Statement showing the Operations for 2.88 Ha degraded forest Land for Compensatory Afforestation in Compartment No.626 of Anantharam RF of Anantharam Beat of Yeleswaram Range in Kakinada Division of Rajahmundry Circle (As per FSR 2022-23) for diversion of forest land formation of road from R&B road to Gollaguppa In favour of Executive Engineer, PR(PIU), Kakinada

Formation of Road from Kaddur to Chennappur, Kakinada District, Executive Engineer, PR(PIU), Kakinada																																								
Sl. No.	Description	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			2029-30			2030-31			2031-32			2032-33			2033-34			2034-35			Total		
		Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin	Phy	Rate	Fin			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
1	Degraded Forest Land (DFL) Operations in Compt.No.626 of Anantharam RF, Yeleswaram Range of Kakinada Division.																																							
1	Advance operations including raising of Nursery (NTSH species)	2.88	0.457	1.316																																	2.88	1.316		
2	Nursery Infrastructure	LS	LS	3.00																																	LS	3.000		
3	Raising of plantations including maint of nursery				2.88	0.845	2.434																														2.88	2.434		
4	1st year maintenance							2.88	0.152	0.438																											2.88	0.438		
5	2nd year maintenance										2.88	0.153	0.441																								2.88	0.441		
6	3rd year maintenance													2.88	0.110	0.317																					2.88	0.317		
7	4th year maintenance																2.88	0.120	0.346																		2.88	0.346		
8	5th year maintenance																			2.88	0.132	0.380															2.88	0.380		
9	6th year maintenance																					2.88	0.008	0.023													2.88	0.023		
10	7th year maintenance																						2.88	0.008	0.023												2.88	0.023		
11	8th year maintenance																								2.88	0.009	0.026											2.88	0.026	
12	9th year maintenance																									2.88	0.010	0.029										2.88	0.029	
13	10th year maintenance																																					2.88	0.032	
	Total Planting cost:			4.316			2.434			0.438			0.441			0.317			0.346			0.380		0.023		0.023			0.026			0.029			2.88	0.011	0.032	2.88	8.603	
14	SMC Works in DFL area such as Cattle proof trench, MPTs, Semilinear trenches, RFDs etc., 15% on planting cost			0.647			0.365			0.066			0.066			0.048			0.052			0.057		0.003		0.003			0.004			0.004			0.005			1.320		
	Total:			4.964			2.799			0.503			0.507			0.364			0.397			0.437		0.026		0.026			0.030			0.033			0.036			10.124		
15	Over heads			0.496			0.280			0.050			0.051			0.036			0.040			0.044		0.003		0.003			0.003			0.003			0.004			1.012		
	DFL TOTAL			5.460			3.079			0.554			0.557			0.401			0.437			0.481		0.029		0.029			0.033			0.036			0.040			11.136		
II Non Forest Land (NFL) Operations Thurangi village of kakinada rural mandal of Kakinada Range, Kakinada division (2.88 ha)																																								
1	Development and Protection of Mangrove forest			0.500			0.500			0.300			0.300			0.300			0.300			0.300		0.300		0.300			0.300			0.300			0.164			3.864		
	NFL TOTAL			0.50			0.500			0.300			0.300			0.300			0.300			0.300		0.300		0.300			0.30			0.30			0.16			3.864		
	GRAND TOTAL			5.96			3.579			0.854			0.857			0.701			0.737			0.781		0.329		0.329			0.33			0.34			0.20			15.000		

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

26.06.2023

**SITE INSPECTION REPORT OF COMPENSATORY AFFORESTATION  
AREA (NON FOREST C.A LAND) OVER AN EXTENT OF 2.88 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 2.84 ha. of Forest land in Compt.no.138, 9 &10 of Gollaguppa Extn-I RF & Bandirevu RF, Nellipaka range Chintur Division for formation and BT including Construction of culverts to the road from R&B road to Gollaguppa(v) 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 2.88 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	2.88 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 2.88 ha.

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

  
28.06.2023

**SITE INSPECTION REPORT OF DEGRADED FOREST LAND (DFL AREA) OVER AN EXTENT OF 2.88 HA. IN YELESWARAM RANGE OF KAKINADA DIVISION. Dt: 24-06-2023**

The Non Forest CA land was identified over an extent of 2.88 ha in Thurangi village of Kakinada rural Mandal of Kakinada Range, Kakinada division in lieu of diversion of forest land for formation and BT including Construction of culverts to the road from R&B road to Gollaguppa(v). 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 2.88 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 2.88 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	2.88 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., 2.88 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.

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28.06.2023

DATA

Area - 2.88 ha

**NAME OF THE WORK:** The Scheme Proposals for the Afforestation in 2.88 ha of degraded forest land in lieu of Diversion of 2.84 ha. of Forest land in (Compartment no.138, 9 & 10 of Gollaguppa Extn-1 RF & Bandirevu RF, Nellipaka Range, Chintur Division) for formation road from R&B Road to Gollaguppa in favour of E.E. PR (PIU) Division, Kakinada

Unit: 1 ha

Espacement : 1000plant

Sl.no.	Name of the component		Amount Rs.
1	<b>Advance Operations -2023-24</b>		
	a) Advance Opearations 2023-24	-	5500
	b) Raising of Nurseries 2023-24 (Including Casualities $1000 \times 20\% = 200$ , $1000 + 200 = 1200 \times 33.47 = 40164$ )	-	40164
	<b>Total</b>	-	<b>45664</b>
			<b>or</b>
			<b>45700</b>
2	<b>Raising of Plantation -2024-25 ( Including Maintenance of Nurseries, Raising of Plantation and Maintenance of Plantation)</b>		<b>Amount Rs.</b>
	a) Maintenance of Nursery 2024-25 (Including Casualities $1000 \times 20\% = 200$ , $1000 + 200 = 1200 \times 4.82 = 5784$ )	-	5784
	b) Raising of plantation 2024-25	-	69500
	c) Raising of nursey for 1st year maintenance of plantation (25 % Casualities = $1000 \times 25\% = 250$ , $250 \times 36.82 = 9205$ ) ( $33.47 \times 10\% = \text{Rs.} 36.82$ )	-	9205
	<b>Total</b>	-	<b>84489</b>
			<b>or</b>
			<b>84500</b>
3	<b>1st year Maintenance of Plantation - 2025-26</b>		<b>Amount Rs.</b>
	a) Maintenance of Nursery for 1st year Mtc.of plantation 2025-26 (25 % Casualities = $1000 \times 25\% = 250$ , $250 \times 5.30 = 1325$ )	-	1325
	b) 1st year maintenance of plantation 2025-26	-	13800
	<b>Total</b>	-	<b>15125</b>
			<b>or</b>
			<b>15200</b>

Distriet Forest Officer  
Kakinada Division, Kakinada

26.06.2023



**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 size 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
<b>Total</b>							<b>4,762.47</b>

Rate for 2022-23 for raising of 1 Bed size 10x1x0.30 NTSHW 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

26.06.2023



**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
		<b>TOTAL</b>					<b>10680.24</b>

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

Rate per ha =7.50x500=3750/-

*[Signature]*  
26/06/23  
District Forest Officer

Kakinada Division, Kakinada

*[Signature]*  
26.06.2023

**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
<b>TOTAL</b>							<b>2,620.15</b>

**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**

  
 District Forest Officer  
 Kakinada Division, Kakinada

26.06.2023

## UNIT COST

RAISING OF BAG PLANTS NURSERY 8"x12" X 400 GUAGE 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 ingredients, 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

26.06.2023



**DATA**

**Maintanance 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
		<b>Rate as per FSR 2022-23</b>				<b>3984</b>

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

  
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26.06.2023

**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
<b>Specification:-</b> 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 allover 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
<b>Specification:-</b> 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 acutals	10	40		40	1	400	June / July
10	Application of fertilizer after planting by making 3 holes of 10 cms 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 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								
	<b>Total per 1 ha</b>							1965	
								63129	

2023-24  
2024-25

63129  
69442 or  
69500

  
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26.06.2023



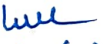
# Data for 1st Year maintenance of Non Teak Hard wood Species Plantation 1000plants /ha

		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.)	Calendar 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
	Maintenance of inspection paths and sector lines	5.4.3	100	3.355		3.36	1 Rmt	336	Jan/Feb
6	Contingencies							269	
	<b>Total for 1 ha</b>							<b>11390</b>	

2023-24  
2024-25  
2025-26

11390  
12529  
13781 or  
13800

  
26/06/23  
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26.06.2023

**Data for 2nd 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	2291.43		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	
	<b>Total for 1 ha</b>							<b>11437</b>	

2023-24  
2024-25  
2025-26  
2026-27

11437  
12581  
13839  
15223 or  
15300

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26/06/23  
Distret Forest Officer

Kakinada Division, Kakinada

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26.06.2023

**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.)	Calendar of operation s
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	
	<b>Total for 1 ha</b>							<b>7453</b>	

2023-24	7453	
2024-25	8198	
2025-26	9018	
2026-27	9919	
3rd year maint - 2027-28	10911 or	11000
4th year Mainenance - 2028-29	12003 or	12000
5th year Mainenance - 2029-30	13203 or	13200

  
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**Data for 6th year to 10th 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 operation s
1	2	3	4	5	6	7.00	8	9	10
1	Maintenance of fire lines	5.4.3	100	3.66		3.66	1 Rmt	366	Jan/Feb
2	Contingencies							11	
	<b>Total for 1 ha</b>							<b>377</b>	

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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 26.06.2023