


**ABSTRACT ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION OVER  
AN AREA OF 1.00 HA OF DEGRADED FOREST AREA DURING 2022-2023**

**No of seedlings 625Nos  
For 10% casualty 65 Nos  
Total 690 Nos**

Sl. No	Description of Work	Prposed estimate cost in Rupees	Remarks
1	Cost of Nursery	95000	10% Weightage towards escalation of labour wage rate during 2023-2024
2	Planting Cost	405000	20% Weightage towards escalation of labour wage rate during 2024-2025
3	Providing chainlink fence around the plantation area.	1880000	20% Weightage towards escalation of labour wage rate during 2024-2025
4	1st year maintenance	90000	30% Weightage towards escalation of labour wage rate during 2025-2026
5	2nd year maintenance	73000	40% Weightage towards escalation of labour wage rate during 2026-2027
6	3rd year Maintenance	80000	50% Weightage towards escalation of labour wage rate during 2027-2028
7	4th year Maintenance	10000	60% Weightage towards escalation of labour wage rate during 2028-2029
8	5th year maintenance	11000	70% Weightage towards escalation of labour wage rate during 2029-2030
9	6th year maintenance	12100	80% Weightage towards escalation of labour wage rate during 2030-2031
10	7th year maintenance	13310	90% Weightage towards escalation of labour wage rate during 2031-2032
11	8th year maintenance	14641	100% Weightage towards escalation of labour wage rate during 2032-2033
12	9th year maintenance	16105	110% Weightage towards escalation of labour wage rate during 2033-2034
13	10th year maintenance	17715	120% Weightage towards escalation of labour wage rate during 2034-2035
	<b>Total</b>	<b>2717870</b>	

  
 District Forest Officer,  
 Nilgiris Forest Division,  
 Udhagamandalam.

  
 21/10/22

**Estimate for Raising Shola Nursery for planting in Udhagai North Range of Nilgiris Forest Division during the year 2023-2024**

Size of Polybags : 30x45 cm  
 No of Seedlings 625 Nos  
 10% Casualties 65 Nos  
 Wages Rate - 2022-2023 : Rs.488.25

Period of Nursery: 10 Months

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
<b>NURSERY OPERATIONS FOR 13x25cm</b>							
1	76 M2	Preparation of Nursery site by Clearing and levelling the site for forming standard bed of size 10mx1m	4.1	2.42	1181.57	200 No	449
2	1.38 Kg	Cost of seeds (2kgs/1000 Nos)	LR	-	250	1 No	345
3	690 Nos	Cost of 13x25cmx250G polybags	As per lowest Quotatio		1500	1000 No	1035
4	2.15 Cu.m	Formation of germination beds of size 10x1x3 m	PWD SSR item 62		96.60	1 cum	208
5	1.0 Beds	Watering the Germination Beds twice daily with rose can (15days)	4.5.1	0.82	400.37	10 beds / day Beds/ day	601
6	1.0 Beds	Watering the germination beds once daily with rose can (15days)	4.5.2	0.41	200.18	10 beds / day Beds/ day	300
7	0.6 Cu.m	Collection and supply of sand silt and red soil according the requirement of prepartion of soil mixture 3/4th of total volume(0.84m3/1000 Nos)	LR	-	950.00	Cu.m Cu.m	570
8	0.19 Cu.m	Cost and Transport of farm yard manure for filling bags - 1/4th of the total volume (0.28m3/1000Nos)	LR	-	950.00	Cu.m Cu.m	181
9	690 Nos	Preparation of soil mixture by breaking clods,seiving, mixing fertile earth (including redsoil, silt and sand according to requiements) and farmyard manure in the reation of 3.1.heaping at the filling site and filling in poly bags arranging bags in beds and pricking out the seedlings	4.6.4	4.48	2187.36	1000 Nos	1509



Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
10	17.25	Kgs	Cost of Vermicasting @ 25gm / Seedlings	As per research wing rate		10.00	1	Kg	173
11	6.9	Kgs	Cost of Vam@10gm/container			18.00	1	Kg	124
12	3.45	Kgs	Cost of Azospirillum @ 5gm/ container	As per research wing rate		27.00	1	Kg	93
13	3.45	Kgs	Cost of phosphobacteria @ 5gm/ container			27.00	1	Kg	93
14			Watering the container plants with rose cans						
a	690	Nos	Twice daily -15 days	4.10.4	0.23	112.30	1000	day	1162
b	690	Nos	Once daily -30 days	4.11.4	0.115	56.15			1162
c	690	Nos	Alternative days spread over 30days (Effective days -15 )	4.11.4	0.115	56.15			581
15	690	Nos	Cost of water for watering the container seedlings 60 watering days	4.18 FSR 1998-99	-	0.85	1000	day	8.80
16	690	Nos	Shifting the container plants weeding grading and replacement of casualties in the bags -(shifting to done once in 21days, 1shifting not before 45days after pricking out - 2 shifts	4.15.4	0.51	249.01	1000	Shift	344
<b>SUB TOTAL-A</b>									<b>8938</b>
<b>PART II - Bigger size bags : 30x45cmx600g</b>									
19	690	Nos	Cost of 30x45cmx600G polybags	As per lowest Quotation	-	9263.00	1000	Nos	6391
20	6.37	M3	Collection and supply of sand silt and red soil according the requirement of preparation of soil mixture 4/5th of total volume (excluding volume of 13 x 25 cm bags) @ 9.23 Cu.m/1000 Nos)	LR		950	1	M3	6050
21	1.594	M3	Cost of transport of Farmyard manure for filling bags 1/5th of total volume (@2.31 cu.m/1000nos)			950	1	M3	1514

**Estimate for planting shola plantation in Udhagai North Range of Nilgiris Forest  
Division during 2024-2025**

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
22	690	Nos	Preparation of soil mixture by breaking clods, sieving, mixing fertile earth (including red soil, silt and sand according to requirements) and farmyard manure in the ratio of 4:1, heaping at the filling site and filling in poly bags 30x45cm arranging bags in beds and pricking out the seedling (excluding cost of soil mixture and FYM)	4.6.7	28.57	13949.30	1000	Nos	9625
23	24.15	Kg	Cost of Vermicasting @ 35gm / container	NHAI ME		10.00	1	Kg	242
24	10.35	Kg	Cost of Vam@15gm/container			18.00	1	Kg	186
20	4.14	Kg	Cost of Azospirillum @ 6gm/ container			27.00	1	Kg	112
21	4.14	Kg	Cost of phosphobacteria @ 6gm/ container			27.00	1	Kg	112
17	7.00	Maz	Labour cost of transplanting seedlings from 13x25 cm container bags into 30x45 cm containers 10maz/1000	As per ME of MTP		488.25	1	No	3418
22	690	Nos	Cost of vertical strick (Casurina poles 5cm-8cm girth and 2.50 m height for each plants)	PWDSSR	-	17.50	1	Rm	12075
23	690	Nos	Cost of Horizontal strick (Casurina poles 5cm-8cm girth and 1.00 m height for each plants)	PWDSSR	-	17.50	1	Rm	12075
24	690	Nos	Tying plants to vertical stick one in a month 2times	ME	-	0.40	1	Each/ time	276
	690	Nos	Pruning the branches once in 2 months 2 times	ME	-	1.00			690
			Watering the container plants with rose can watering regime approved PCCF's Ref.No.J1/57395/2003, dt:12.12.2003						
25	690	Nos	Twice daily - 15days	4.10.7	0.56	273.42	1000	Day	2830
26	690	Nos	Once daily - 30 days	4.11.7	0.28	136.71	1000	Shift	2830
	690	Nos	Once in alternative days - spread over 60 days (Effective days -30 days )	4.11.7	0.28	136.71	1000	Shift	2830
	690	Nos	Twice in a week spread over 105 days (effective days -30 days )	4.11.7	0.28	136.71	1000	Shift	2830



Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
27	690	Nos	Shifting the container plants weedling grading and replacement of casualties in the bags -shifting to done once in 21dyas, 1shiting not before 45days after pricking out - 12 shifts	4.15.7	2.69	1313.39	1000	Shift	6344
	690	Nos	Cost of water for watering the container seedlings 105 watering days	4.18-FSR 1998-99	-	1.60	1000	day	116
28	1	Nos	Nursery protection mazdoors 1 No / 100000 Nos of 30 x 45 cm bags 300 days(90+210)	FSR 2022-2023		488.25	100000/M		3
			GST 18% (Item No.3, 17)						1337
	5	mont hs	Provision for cost of pesticides and fungasides and labour charges for application of pesticides -2 times/month	LR	-	200.00	1	time	2000
29	LS		Photo & Documentation etc.,	LS					1000
30	LS		Contingencies unforeseen intems if any	LS					2541
SUB TOTAL-B									77426
TOTAL(A+B)									86364

Rate calculated for 2022-2023 86364


Add annual 10% escalation 2023-2024 8636

**Rate for 2023-2024 95000**

#### Specifications;

1)No of seedlings has been proposed for planting based on the Forest (conservation) Act,1980 Guidelines & Clarifications book page no 48, 49 2.6,(i)Compensatory afforestation ha to be carried out ten times the number of trees to be felled. Hence 625 Nos of seedlings has been proposed for 1 ha of degraded forest land with 10% of causality 65 Nos totally 690 nos of seedlings has been proposed

2)The estimate has been prepared based on the PCCF (HOD) Chennai vide Ref no :TS4/22483/2022 Dated:13.10.2022,FSR,PWD SSR -2022-2023 and the local rate.

  
21/10/22  
District Forest Officer,  
Nilgiris Forest Division,  
Udhagamandalam.

  
21/10/22

**Estimate for planting shola plantation in Udhagai North Range of Nilgiris Forest  
Division during 2024-2025**

Size of Polybags : 30x45 cm

No of Seedlings 625 Nos

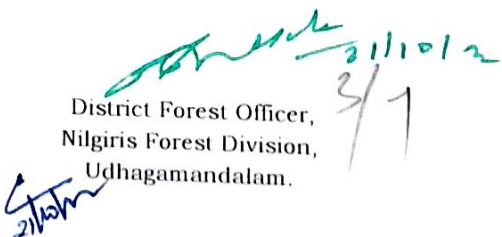
Casualty Replacement 65 Nos

Wages Rate - 2022-2023 : Rs.488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
1	0.3	Ha	Removal of invasive species and other jungle Heavy growth	12.1.1	100	48825	1	Ha	14648
2	625	Nos	Aligning and Marking in plantation area	5.2.4	1.38	673.79	100	Nos	4211.19
3	625	Nos	Digging of 60cm <sup>3</sup> pits in all types of soil during non rainy season	5.8.1	9.26	4521.2	100	Nos	28258
4	45.00	cum	Cost and transport of farmyard manure each plant 0.6+0.6+0.20=0.072m <sup>3</sup> /pit	As per lowest Quotation	-	1000	1	m <sup>3</sup>	45000
5	625.00	Nos	Application of Farm yard manure by mixing in the pit before planting - 1 Mazdoor for 200 Nos	FSL Wage rate	1	488.25	200	No	1526
6	625.00	Nos	Cost of Bio fertilizer including cost of application Vermicompost - 1 Kg Bio Fertilizers 100 gms VAM - 100Gm	NHAI ME	-	7.7	1	No	4813
7	690	Nos	Transporting saplings (transported to the radius of 40kms)Excluding loading and unloading by private vehicle	NHAI ME	-	7.00	1	Nos	4830
8	690	Nos	Loading & Unloading the Container seedlings (30x45cm)in private lorry upto a lead of 2kms (excluding hire charges for the vehicles)	5.11.7	3.29	1606.34	1000	Nos	1108
9			Distribution of saplings from where seedlings are stocked to the planting spot upto 500mts.						
a	300	Nos	Upto 100 m	5.15.1	10	4882.50	1000	Nos	1465
b	225	Nos	Upto 200 m	5.15.2	17.5	8544.38	1000	Nos	1922
c	165	Nos	Upto 500 m	5.15.3	41	20018.00	1000	Nos	3303

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
10	625	Nos	Planting the Container plants by refilling pits of size 60 cm	5.22	1.71	834.91	100	Nos	5218
11	1563	Rm	Provision of vertical casurima poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR	-	17.50	1	Rm	27353
12	65	Nos	Replacement of casualties by reopening failed pits and planting the saplings (1/2 pitting rate + full planting rate)	5.23	6.34	3095.51	100	Nos	2012
13	625	Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil - 2 times	5.24	1.23	600.55	100	Nos	3753
14	625	Nos	Forming catch water drains for each plant in plains 90 cm x 45 cm x 30 cm size in hard gravelly soil	5.26	6.84	3339.63	100	Nos	20873
15	625	Nos	Watering the plants once in 6 days during non rainy period (from January to March)one mazdoor for 200 plants/watering days (15 watering days )	NHAI ME	-	488.25	200	Nos	1526
16	187500	Ltrs	Cost of water @ 20 liter per seedlings 15 watering days (625*x20x15=187500trs)	As per ME	-	1200.00	12000	Lts	187500
17	690	Nos	Removing /scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	102.53	100	Nos	707
18	5	month s	Provision for cost of pesticides and fungasides and labour charges fro application of pesticides -2 times /month	LR	-	200.00	1	Times	2000
19	LS	-	Photo & Documentation etc.,	LS					1000
20	LS	-	Contingencies unforeseen intems if any	LS					2057
TOTAL									365082

Rate calculated for	2022-23	Rs	365082
Add 10% escalation for	2023-24	Rs	36508
Add 10% escalation for	2024-25	Rs	3410
<b>Rate for 2024-2025</b>			<b>405000</b>

  
District Forest Officer,  
Nilgiris Forest Division,  
Udhagamandalam.



**Estimate for 1<sup>st</sup> Year Maintenance in Shola plantation in Udhagai North Range of Nilgiris Forest Division during - 2025-2026**


Size of Polybags : 30x45 cm  
 No of Seedlings 625 Nos  
 Casualty Replacement 65 Nos  
 Wages Rate - 2022-2023 : Rs.488.25

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
<b>A.Nursery operation</b>							
1	65 Nos	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate		138.00	1 No	8970
<b>B.Planting operation</b>							
	4.68 m3	Cost & transport of farm yard manure each plants (0.6x0.60x0.20=.072m3/pit)	As per lowest Quotation	-	1000	1 No	4680
2	65 Nos	Application of farm yard manure by mixing in the pit before planting -1 mazdoor for 200 nos	FSR Wage Rate	-	488.25	200 Nos	159
	65 Nos	Transporting saplings (transported in the radius of 40 kms)excluding loading and unloading in private vehicle	NHAI ME	-	7.00	1 No	455
3	65 Nos	Loading & Unloading the Container seedlings (30x45cm)in private lorry upto a lead of 2kms (excluding hire charges for the vehicles)	5.11.7	3.29	1606.34	1000 Nos	104
4		Distribution of seedlings in the site C.plants upto 500mtrs in plains					
a	20 Nos	Upto 100mt	5.15.1	10	4882.50	1000 Nos	98
	30 Nos	Up to 200m	5.15.2	17.5	8544.38	1000 Nos	256
	15 Nos	Up to 500m	5.15.2	41	20018.25	1000 Nos	300
5	65 Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2260.60	100 Nos	1469
8	625 Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	3753
7	625 Nos	Cost of bio fertilizers including cost of application vermi-camposse 1 kg bio fertilizr 100 gms VAM 100Gms	NHAI ME		7.70	1 No	4813
	375000 Ltrs	Cost of water @ 20 liter per seedling 30 watering days (625x20x30= 375000)	NHAI ME	1200		12000 Lts	37500



9	625	Nos	Watering the plants once in 6 days (excluding rainy days ) form April to june & january to march @ one mazdoor for 200 plants /watering day(15+15=30 watering days )	4.11.7	0.28	488.25	200	Nos	1526
12	LS		Contingencies and unforeseen Expenditure to be restricted to as per actuals						3535
<b>TOTAL</b>									<b>67618</b>

Rate calculated for	2022-23	Rs	67618
Add 10% escalation for	2023-24	Rs	6762
Add 10% escalation for	2024-25	Rs	7438
Add 10% escalation for	2025-26	Rs	8182
<b>Rate for 2025-2026</b>			<b>90000</b>

  
 District Forest Officer,  
 Nilgiris Forest Division,  
 Udthagamandalam.

  
 21/10/22

**Estimate for 2<sup>st</sup> Year Maintenance in Shola plantation in Udhagai North Range of Nilgiris Forest Division during - 2026-2027**

No of Seedlings


625 Nos

Wages Rate - 2022-2023

: Rs.488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
1	625	Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100	Nos	3753
2	625	Nos	Cost of bio fertilizers including cost of application vermi-campose 1 kg bio fertilizr 100 gms VAM	NHAI ME		7.70	1	No	4813
3	375000	Ltrs	Cost of water @ 20 liter per seedling 30 watering days (625x20x30=375000)	NHAI ME		1200	12000	Lts	37500
4	625	Nos	Watering the plants once in 6 days (excluding rainy days ) form April to june & january to march @ one mazdoor for 200 plants /watering day(15+15=30 watering days )	4.11.7	-	488.25	200	Shift	1526
5	LS		Contingencies and unforeseen Expenditure to be restricted to as per actuals	LS					2268
<b>TOTAL</b>									<b>49860</b>

Rate calculated for	2022-23	Rs	49860
Add 10% escalation for	2023-24	Rs	4986
Add 10% escalation for	2024-25	Rs	5485
Add 10% escalation for	2025-26	Rs	6033
Add 10% escalation for	2026-27	Rs	6636
<b>Rate for 2026-2027</b>			<b>73000</b>

  
 District Forest Officer,  
 Nilgiris Forest Division,  
 Udhagamandalam.

  
 2/10/24



**Estimate for 3rd Year Maintenance in Shola plantation in Udhagai North  
Range of Nilgiris Forest Division during - 2027-2028**

No of Seedlings

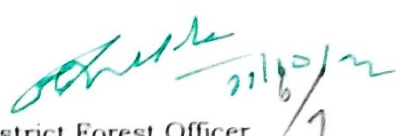
:625 Nos

Wages Rate - 2022-2023

: Rs.488.25

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per		Amount
1	625 Nos	Scrapping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil - 2 times	5.24	1.23	600.55	100	Nos	3753
2	625 Nos	Cost of bio fertilizers including cost of application vermi-camposse 1 kg bio fertilizr 100 gms VAM	NHAI ME		7.70	1	Kg	4813
3	375000 Ltrs	Cost of water @ 20 liter per seedling 30 watering days (625x20x30=375000)	NHAI ME		1200	12000	Lts	37500
4	625 Nos	Watering the plants once in 6 days (excluding rainy days ) form April to june & january to march @ one mazdoor for 200 plants /watering day(15+15=30 watering days )	4.11.7	0.28	488.25	200	Nos	1526
5	LS	Contingencies and unforeseen Expenditure to be restricted to as per actuals						2082
<b>TOTAL</b>								<b>49674</b>

Rate calculated for	2022-23	Rs	49674
Add 10% escalation for	2023-24	Rs	4967
Add 10% escalation for	2024-25	Rs	5464
Add 10% escalation for	2025-26	Rs	6011
Add 10% escalation for	2026-27	Rs	6612
Add 10% escalation for	2027-28	Rs	7273
<b>Rate for 2027-2028</b>			<b>80000</b>

  
 District Forest Officer,  
 Nilgiris Forest Division,  
 Udhagamandalam.

**Estimate for 4th Year Maintenance in Shola plantation in Udhagai North  
Range of Nilgiris Forest Division during - 2028-2029**


No of Seedlings

:625 Nos

Wages Rate - 2022-2023

: Rs.488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per		Amount
1	625	Nos	Scrapping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.50	100	Nos	3753
2	LS		Contingencies and unforeseen Expenditure to be restricted to as per actuals and Photo,Documentation etc.,						1892
<b>TOTAL</b>									<b>5645</b>
					Rate calculated for	2022-23		Rs	5645
					Add 10% escalation for	2023-24		Rs	564
					Add 10% escalation for	2024-25		Rs	621
					Add 10% escalation for	2025-26		Rs	683
					Add 10% escalation for	2026-27		Rs	751
					Add 10% escalation for	2027-28		Rs	826
					Add 10% escalation for	2028-29		Rs	909
<b>1</b>	<b>Rate for 4 th year maintenace</b>							<b>Rs</b>	<b>10000</b>
					Add 10% escalation for	2029-30		Rs	1000
<b>2</b>	<b>Rate for 5th year maintenace</b>							<b>Rs</b>	<b>11000</b>
					Add 10% escalation for	2030-31		Rs	1100
<b>3</b>	<b>Rate for 6th year maintenace</b>							<b>Rs</b>	<b>12100</b>
					Add 10% escalation for	2031-32		Rs	1210
<b>4</b>	<b>Rate for 7th year maintenace</b>							<b>Rs</b>	<b>13310</b>
					Add 10% escalation for	2032-33		Rs	1331
<b>5</b>	<b>Rate for 8th year maintenace</b>							<b>Rs</b>	<b>14641</b>
					Add 10% escalation for	2033-34		Rs	1464
<b>6</b>	<b>Rate for 9th year maintenace</b>							<b>Rs</b>	<b>16105</b>
					Add 10% escalation for	2034-35		Rs	1610
<b>7</b>	<b>Rate for 10 th year maintenace</b>							<b>Rs</b>	<b>17715</b>

  
 District Forest Officer,  
 Nilgiris Forest Division,  
 Udhagamandalam.



# Abstract Estimate

Name of work : Providing chainlink fencing around the Proposed CA Plantation area in Udhagai North Range of Nilgiris Forest Division

SL No	Quantity		Description of item	Rate		Unit	Amount
				Rs	Ps		Rs.
1	11.34	m <sup>3</sup>	Earth work excavation in all soils and subsoils etc.,	170.00		m <sup>3</sup>	Rs. 1,928.00
2	11.34	m <sup>3</sup>	Plain Cement Concrete 1:2:4 mix etc., Below GL	8656.65		m <sup>3</sup>	Rs. 98,166.00
3	5281.00	Kg	Supplying, fabrication and erection of structural steels including all fittings with required bolts and nuts etc., complete (As per steel code book IS 808 : 1989)	135.74		Kg	Rs. 7,16,843.00
4	900.00	m <sup>2</sup>	Providing chainlink 2" x 2" etc.,	443.34		m <sup>2</sup>	Rs. 3,99,006.00
5	236.99	m <sup>2</sup>	Painting with new iron works etc.,	364.50		m <sup>2</sup>	Rs. 86,383.00
							Rs. 13,02,326.00
6	L.S		Provisions for GST @ 18 %		L.S		Rs. 2,34,419.00
7	L.S		Provisions for TNLWF @ 1 %		L.S		Rs. 15,000.00
8	L.S		Contingencies other expences				Rs. 2,011.00
Total							Rs. 15,53,756
Rate for 2022-2023							Rs. 15,53,756
Add 10% escalation for 2023-24							Rs. 1,55,376
Add 10% escalation for 2024-25							Rs. 1,70,913
							Rs. 18,80,045
Round off							Rs. 18,80,000

(Rupees Eighteen Lakhs Eighty Thusand only )

I Submit that this estimate has been prepared as per rate provision in PWDSSR 2022-23

*[Signature]*  
21/10/23  
District Forest Officer  
Nilgiris Forest Division  
Udhagamandalam  
*[Signature]*

# **DETAILED ESTIMATE**

**Name of work : Providing chainlink fencing arround the Proposed CA Plantation area in Udhagai North Range of Nilgiris Forest Division**

Sl.no	Description of work	No			Length	Breadth	Depth	Quantity	
				3		m	m		
1	Earth work excavation in all soils and subsoils etc.,					5	6	7	
	For post @ c/c distance 3.00 m	1	x	210	0.30	0.30	0.60	11.34	
								<b>11.34</b>	m <sup>3</sup>
2	Plain Cement Concrete 1:2:4 mix etc., Below GL								
	For post Below GL	1	x	210	0.30	0.30	0.60	11.34	
								<b>11.34</b>	m <sup>3</sup>
3	Supplying, fabrication and erection of structural steels including all fittings with required bolts and nuts etc., complete (As per steel code book IS 808 : 1989)								
	KG /M								
	50 mm x 50 mm x 6 mm angle for ties (0.60 + 2.10 )	1	x	210	2.40	@	4.50	2268.00	Kg
	40 mm x 40 mm x 3 mm angle for Cross supports	1	x	70	3.05	@	1.80	384.30	Kg
	Flat 35 x 6 mm	1	x	210	1.80	@	1.65	623.70	Kg
	Hollow section tube 50X25X3.2mm Top of the fence for through out length	1	x	1	500.00	@	3.25	1625.00	
	Providing Main Gate and Nut,bolt,Etc.,	LS					380.00	380.00	Kg
								<b>5281.00</b>	Kg
4	Providing chainlink 2" x 2" etc.,								
	fencing alround	1	x	1	500.00		1.80	900.00	
								<b>900.00</b>	m <sup>2</sup>
5	Painting with new iron works etc.,								
	L angle	1	x	210	0.22		2.10	97.02	
	--do-- supports	1	x	70	0.22		3.05	46.97	
	Gate	1	x	1	4.00	2.50	1.80	18.00	
	Square tube	1	x	1	500.00	0.15		75.00	
								<b>236.99</b>	m <sup>2</sup>
6	Provisions for GST @ 18 %							L.S	
7	Provisions for TNLWF @ 1 %							L.S	

  
 District Forest Officer  
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 Udhagamandalam



DATA						
Sl. No.	Qty.	Unit	Description	Rate in Rupees	Per	Amount in Rupees
SUB DATA						
1			CEMENT MORTAR 1:2	6183.20	MT	4451.90
	720.00	KG	CEMENT	2434.10	cu.m.	2434.10
	1.00	cu.m.	SAND FOR MORTAR	110.00	cu.m.	110.00
	1.00	cu.m.	MIXING CHARGES			44.00
			For Nilgiris district 40 %			22.00
			For RF 20 %			7062.00
			Rate for 1 cu.m.			
Main Data						
1	Earth work excavation and depositing on bank with initial lead of 10 m and lift 2 m in Sand, Silt, or other loose soil etc.,					
	1.00	cu.m.	Earth work excavation in soil Item No	106.25	cu.m.	106.25
			For Nilgiris district 40 %			42.50
			For RF 20 %			21.25
			Rate for 1 cu.m.			170.00
2	Plain Cement Concrete 1:2:4 (one cement, two sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specifications and as directed by the departmental officers.					
	9.00	cu.m.	Broken Stone (20mm size )	2589.10	cu.m.	23301.90
	4.50	cu.m.	Cement Mortar 1:2	7062.00	cu.m.	31779.00
	1.80	Nos.	Mason II Class	884.00	Each	1591.20
	17.70	Nos.	Mazdoor I Class	618.00	Each	10938.60
	14.10	Nos.	Mazdoor II Class	507.00	Each	7148.70
			For Nilgiris 40 %			7871.40
			For RF 20 %			3935.70
			Rate for 10 cu.m.			86566.50
			Rate for 1 cu.m.			8656.65
3	Supply , fabrication and fixing in position of M.S steel structural works etc.,					
	1.00	kg	Cost of steel	58.14	kg	58.14
	1.00	kg	Labour charges	48.50	kg	48.50
			For Nilgiris 40 %			19.40
			Add 20 % for RF			9.70
			Rate per 1 kg			135.74
4	Providing chain link 2" x 2" using 10 guage (3mm) galvanised iron works etc.,					
	10	m <sup>2</sup>	Chain link 2" x 2"	160.25	sq.m.	1602.50
	1	nos	Filter 1st class	836.00	each	836.00
	1.1	nos	Mazdoor category I	618.00	each	679.80
	0.5	nos	Mazdoor category II	507.00	each	253.50
			Add 40% for Nilgiris			707.72
			Add 20% for RF /			353.86
			Page 1		Total	4433.38
					Rate Rs	443.34

5	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over one coat of red oxide priming coat in all floors including cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)					
	2.22	Litre	Ready mixed enamel paint	227.60	Litre	505.27
	1.10	Nos.	Painter 1 Class	756.00	Each	831.60
		L.S.	Sundries for brushes, soap, putty etc.			4.90
			For Nilgiris district 40 %			332.64
			For RF 20 %			167.30
			Total for 10 sq.m.			1841.71
			<b>Rate for 1 sq.m.</b>			<b>184.20</b>
	1.00	sq.m.	One coat of red oxide primer	136.90	sq.m.	136.90
	1.00	sq.m.	Finishing two coats of synthetic enamel paint	227.60	sq.m.	227.60
			<b>Rate for 1 sq.m.</b>			<b>364.50</b>

  
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 District Forest Officer  
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