



**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**



**Rc.no.1510/2018-TO**  
Dated.07-09-2023.

O/o The Conservator of Forests,  
Guntur Circle, Guntur.

**Sri Y.Srinivasa Reddy, IFS.,**  
Chief Conservator of Forests,  
Guntur Circle, Guntur.

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**Sub:-** F.D-F(C) Act,1980 -Proposals for diversion of 32.48ha., of forest land in compartment no.91 of Momidi RF, Chillakur (M) of SPSR Nellore District for grant of quarry lease of Silica sand in favor of M/s Sri Mines (Sri G. Sri Ranga Reddy, Mg. Partner) - CA Scheme proposals submitted by the DFO, Nellore for administration approval- Administration approval accorded - Reg.

**Ref:-** 1. Prl.CCF Rc.no.EFS02-15029/15/2018/FCA-SEC PCCF/FCA-3,dt:23.8.2022.  
2. CCF, Tirupati Circle, Tirupati Rc.no.08/2023/M1, dt.15.04.2023  
3. DFO, Nellore Rc.no.167/2023-F11, dt:10.08.2023.

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Attention of the District Forest Officer, Nellore is invited to the references above cited. The Compensatory Afforestation Scheme proposals submitted by the District Forest Officer, Nellore to the identified Compensatory Afforestation (CA) land over an extent of 30.62ha (within 32.60 ha) in Survey no.122, 125, 126, 127, 128, 129, 130, 131, 133, 134, 135, 140 & 141 of Tegacherla Village, Rapur Mandal, SPSR Nellore District, Rapur Range by the User Agency in lieu of diversion of 32.48ha of forest land in compartment no.91 of Momidi RF, Chillakur (M) of SPSR Nellore District for grant of quarry lease of Silica sand in favor of M/s Sri Mines (Mg. Partner Sri G. Sri Ranga Reddy) is examined with reference to guidelines and it is hereby approved.

The Compensatory Afforestation scheme is approved for Rs.297.40 lakhs for a period of 10 years (Nursery Raising, Advance Operation, Raising of Plantation + 10 years of maintenance of plantation and other works indicated in the Scheme) commencing from 2024-25 to 2035-36 as per the guidelines under the F(C)Act, 1980 and its amendments received from time to time.

Therefore, the District Forest Officer, Nellore is requested to upload the details of the CA land and Compensatory Afforestation Scheme with the site inspection report in Part-II of the proposal in the Ministry's website "PARIVESH" portal as per the instructions of the Prl. Chief Conservator of Forests, AP, Mangalagiri and guidelines of F(C) Act, 1980 rules in vogue. A copy of the scheme approved is sent herewith.

**Encl:** as above.

Sd/-Y.Srinivasa Reddy,  
Chief Conservator of Forests,  
Guntur Circle, Guntur.

To  
The Divisional Forest Officer, Nellore.

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Tech. Officer-7/9/2023



Statement Showing the C.A Scheme proposal over an extent of 30.62 Ha (Equalling to Mining area) in Sy.No.122, 125, 126, 127, 128, 129,130, 131,133,134, 135,140 & 141 of Tegacherla Village, Rapur Mandal, SPSR Nellore District / Division, Rapur Range in lieu of Diversion of 32.48 Ha (30.62ha for Mining+ 1.86ha for SZA) of Forest land in Compt. No.91, Momidi RF, Chillakur mandal (formerly in SPSR Nellore district) now in Tirupati District /Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

Sl. No.	Name of the work	Year	Quantity in Ha/Rmt	Unit Cost	Per	Amount (in Lakhs)
I	Plantations (SMM)				Ha	16.841
1	Advance operations	2024-25	30.62	0.550		5.782
2	Raising of Nursery	2024-25	39200	14.750	Each seedling	46.648
3	Raising of plantations	2025-26	30.62	1.523	Ha	3.483
4	Maintenance of Nursery	2025-26	39200	8.885	Each seedling	0.568
6	Raising of Nursery for 1st year maint	2025-26	3500	16.225	Each seedling	17.791
5	1st year maintenance	2026-27	30.62	0.581	Ha	0.342
7	Maintenance of Nursery	2026-27	3500	9.773	Each seedling	0.625
9	Raising of Nursery for 2nd year maint	2026-27	3500	17.847	Each seedling	19.570
8	2nd year maintenance	2027-28	30.62	0.639	Ha	0.376
10	Maintenance of Nursery	2027-28	3500	10.751	Each seedling	14.857
11	3rd year maintenance	2028-29	30.62	0.485	Ha	7.080
12	4th year maintenance	2029-30	30.62	0.231	Ha	2.119
13	5th year maintenance	2030-31	30.62	0.069	Ha	2.331
14	6th year maintenance	2031-32	30.62	0.076	Ha	2.564
15	7th year maintenance	2032-33	30.62	0.084	Ha	2.820
16	8th year maintenance	2033-34	30.62	0.092	Ha	3.102
17	9th year maintenance	2034-35	30.62	0.101	Ha	3.413
18	10th year maintenance	2035-36	30.62	0.111	Ha	150.314
	Sub Total:					
II	Protection (Chain Link Fencing )					
1	Erection of Chain Link fencing around the CA Plantation Sy.No.122, 125, 126, 127, 128, 129,130, 131,133,134, 135,140 & 141 of Tegacherla Village, Rapur Mandal, SPSR Nellore District/ Division, Rapur Range	2025-26	3006	0.02123	Rmt	63.817
2	Salvaging of old Chain link for 10 Years	2026-27 to 2035-36	3006	0.00218	Rmt	6.560
3	Construction of RCC Pillars around the CA area	2024-25	30	0.15000	Each (LS)	4.500
	Sub Total:					74.877
	(I+II) Total cost of Plantation:					225.191
III	SMC Works (15%of the total planting Cost)			--		33.779
	Sub Total:					33.779
IV	Monitoring and Evaluation 5% of the total planting Cost			--		11.260
V	Administrative Cost @ 10% of the planting Cost (Wages to NTM & DEO in Rapur Range Office & DFO Office, Nellore, and other maintenance of office building furniture and stationery for 5 years)			--		27.171
	Grand Total:					297.400

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*[Signature]*  
Technical Officer 8/23

COUNTER SIGNED

Sd/-A. Chandra Sekhar,  
District Forest Officer  
Nellore

*[Signature]*  
Chief Conservator of Forests  
GUNTUR CIRCLE,  
16/8/2023 GUNTUR.

3/2

**Full Title of the Project: -**

Diversion of 32.48 Ha (30.62ha for Mining+ 1.86ha for SZA) of Forest land in Compt. No.91, Momidi RF, Chillakur mandal (formerly in SPSR Nellore district) now in Tirupati District /Division for grant of quarry lease for Silica Sand in favour of M/s Sri Mines-Non-Forest land identified for CA- CA Scheme proposals submitted-Reg.

**Online proposal no.FP/AP/QRY/46915/2020**

**File No:**Prl.CCF, Guntur Rc.no.EFS02-15029/15/2018-FCA SEC-PCCF/FCA-3,

**Date of Instructions:**23.08.2022.

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for Compensatory Afforestation to be carried out in identified Non-Forest CA land to an extent of 32.59Ha in Sy.No.122, 125,126, 127, 128, 129,130, 131, 133, 134, 135, 140& 141of Tegacherla Village, Rapur Mandal, SPSR Nellore District / Division, Rapur Range in lieu of diversion of 32.48 Ha (30.62ha for Mining+ 1.86ha for SZA) of Forest land in Compt. No.91, Momidi RF, Chillakur mandal (formerly in SPSR Nellore district) now in Tirupati District /Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

**1. Details of Non- Forest CA land: -**

Sl. No	Name of the individual	Village/ Mandal/ Division/ Range	Survey Nos.	The extent in Ha as per DGPS Survey	Required land proposed by user agency towards CA land as per authentication (Ha.)
1	M/s Sri Mines (Sri G.Sri Ranga Reddy)	Tegacherla Village, Rapur Mandal, SPSR Nellore District / Division, Rapur Range	122, 125, 126, 127, 128, 129, 130, 131, 134,135, 140& 141	32.60	32.59

a	Name of Forest Division	Nellore (T) Division
b	Range	Rapur
c	Block/Compartment/Survey Nos.	122, 125, 126, 127, 128, 129, 130, 131,133,134,135,140& 141



<b>2</b>	<b>Description of Area</b>	
I	whether the site selected for Compensatory Afforestation is a land bank or not	No
II	If the CA site is other than the land bank, reasons be given	Non-Forest Land
III	In case of the non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Adjoining to the Rapur Yerragonda RF & Rapur Yerragonda Extn II RF, of Kaluvoy Beat and Section of Rapur Range
IV	Soil type	Red soil
<b>V</b>	<b>Topography:</b>	
	(a) Hilly/Undulating/Plain	Plain
	(b) Slope: Steep/Medium/Gentle:	Gentle
VI	Whether the area is bearing any rootstock of vegetation.	No
<b>3</b>	<b>Plantation Model: -</b>	
	Copy of the approved Compensatory Afforestation Scheme/Model showing component-wise physical and financial break up to be enclosed.	Enclosed

#### 4. Schedule of Plantation Programme: -

1. Detail of year-wise break up of requirements of funds is as under:-

Sl. No.	Name of the work	Year	Qty in Ha/Rmt	Unit Cost	Per	Amount (in Lakhs)
<b>I</b>	<b>Plantations (SMM)</b>					
1	Advance operations	2024-25	30.62	0.550	Ha	16.841
2	Raising of Nursery	2024-25	39200	14.750	Each seedling	5.782
3	Raising of plantations	2025-26	30.62	1.523	Ha	46.648
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6	Raising of Nursery for 1st year maint	2025-26	3500	16.225	Each seedling	0.568
5	1st year maintenance	2026-27	30.62	0.581	Ha	17.791
7	Maintenance of Nursery	2026-27	3500	9.773	Each seedling	0.342
9	Raising of Nursery for 2 <sup>nd</sup> -year maint	2026-27	3500	17.847	Each seedling	0.625
8	2nd year maintenance	2027-28	30.62	0.639	Ha	19.570
10	Maintenance of Nursery	2027-28	3500	10.751	Each seedling	0.376
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16	8th year maintenance	2033-34	30.62	0.092	Ha	2.820
17	9th year maintenance	2034-35	30.62	0.101	Ha	3.102
18	10th year maintenance	2035-36	30.62	0.111	Ha	3.413
	<b>Sub Total:</b>					<b>150.314</b>



<b>Protection (Chain Link Fencing)</b>						
I	Erection of Chain Link fencing around the CA Plantation Sy.No.122, 125, 126, 127, 128, 129,130, 131,133,134, 135,140 & 141 of Tegacherla Village, Rapur Mandal, SPSR Nellore District/ Division, Rapur Range	2025-26	3006	0.02123	Rmt	63.817
2	Salvaging of old Chain link for 10 Years	2026-27 to 2035-36	3006	0.00218	Rmt	6.560
3	Construction of RCC Pillars around the CA area	2024-25	30	0.15000	Each (LS)	4.500
	<b>Sub Total:</b>					<b>74.877</b>
	<b>(I+II) Total cost of Plantation:</b>					<b>225.191</b>
III	SMC Works (15% of the total planting Cost)			--		33.779
	<b>Sub Total:</b>					<b>33.779</b>
IV	Monitoring and Evaluation 5% of the total planting Cost			--		11.260
V	Administrative Cost @ 10% of the planting Cost (Wages to NTM & DEO in Rapur Range Office & DFO Office, Nellore, and other maintenance of office building furniture and stationery for 5 years)			--		27.171
	<b>Grand Total:</b>					<b>297.400</b>

### 5. Technical details: -

Technical details of the Compensatory Afforestation Scheme are as follows: -

a)	General Details:	The afforestation and maintenance will be done in a span of 12 years from 2024-25 to 2035-36 for plantation and erection of chain link fencing and its maintenance from 2025-26 to 2035-36 with implementing agency by DFO (T), Nellore.
b)	Spacing	3 Mts x 3 Mts
c)	Species	Miscellaneous/NTSH
d)	Plantation Method	SMM (Semi Mechanical Method)
e)	Protection (Fencing, Watchman, People's Participation etc.)	As the CA area is proposed in non-Forest land, hence the Chain Link Fencing and Watch and Ward is proposed for the protection of the plantation.
f)	Proposed Monitoring Mechanism	Regularly inspections of the DFO /Sub-DFO/ FRO and field staff.
h)	Any other information	The proposed non-Forest CA area identified in the Rapur Range of Nellore (T) Division to an extent of 30.62 Ha (within the total 32.60ha) to Mining area) and CA scheme is prepared with an outlay of <b>Rs.297.400 Lakhs</b> which is situated in above mentioned table. Hence proposed non-Forest land for CA may be accepted.

**Encl.** 1. Inspection report.

2. CA Scheme proposal with data sheets.

District Forests Officer  
Nellore.

10/8/23

10/8/2023



Statement Showing the C.A Scheme proposal over an extent of 30.62 Ha (Equalling to Mining area) in Sy.No.122, 125,126,127, 128,129,130, 131, 134 & 141of Tegacherla Village, Rapur Mandal, SPSR Nellore District / Division, Rapur Range in lieu of Division of 32.48 Ha (30.62ha for Mining+ 1.86ha for SZA) of Forest land in Compt. No.91, Momidi RF, Chillakur mandal (formerly in SPSR Nellore district) now in Tirupati District /Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

Sl No	Name of the work	Unit cost		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		2031-32		2032-33		2033-34		2034-35		2035-36		(Rs.in Lakhs)		
		Per	Rate	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Amount		
I	Plantations (SMM Method)																													
1	Advance operations (4.10 Ha)	1 Ha	0.550	30.62	16.841																							30.62	16.841	
2	Raising of Nursery	Nos	14.75	39200	5.782																							39200	5.782	
3	Raising of plantations	1 Ha	1.523			30.620	46.648																					30.62	46.648	
4	Maintenance of Nursery	Nos	8.885			39200	3.483																					39200	3.483	
5	Maintenance of Nursery for 1st year maint	Nos	16.225			3500	0.568																					3500	0.568	
6	1st year maintenance	1 Ha	0.581			30.62	17.791																					30.620	17.791	
7	Maintenance of Nursery	Nos	9.773			3500	0.342																					3500	0.342	
8	Raising of Nursery for 2nd year maint	Nos	17.847			3500	0.625																					3500	0.625	
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17	9th year maintenance	1 Ha	0.101																											
18	10th year maintenance	1 Ha	0.111																											
	Sub-Total>				22.623		50.699		18.758		19.946		14.857		7.080		2.119		2.331		2.564			30.62	3.102		30.62	3.413	30.620	3.413
II	Chain Link Fencing																													
1	Erection of Chain Link fencing around the CA Plantation (3006 Rmt)	1 Rmt	0.0212		0.000	3006	63.817																					3006	63.817	
2	Salvaging of old Chain link for 10 Years	1 Rmt	0.0022		0.000																									
3	Construction of RCC pillars around the CA area	1	0.1500	30	4.500																									
	Sub-Total>				4.500		63.817		0.412		0.453		0.498		0.548		0.603		0.663		0.729		0.802		0.882		0.971			
	Sub Total of Plantation cost:				27.123		114.517		19.170		20.399		15.355		7.627		2.722		2.994		3.293		3.622		3.985		4.383			
III	SMC works																													
I	SMC Works(15% of the total planting Cost)	LS	33.779			3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		33.779		
	Sub-Total>			0.000		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		3.071		33.779		
IV	Monitoring and Evaluation																													
	5% of the total planting Cost	LS	11.260			1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		11.260		
	Sub-Total>			0.000		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		1.024		11.260		
V	Administrative Cost @ 10% of the planting Cost (Wages to NTM & DEO in Rapur Range Office & DFO Office, Nellore, and other maintenance of office building furniture and stationery for 5 years)	LS	27.171		0.000	5.434		5.434		5.434		5.434		5.434		0.000		0.000		0.000		0.000		0.000		0.000		27.171		
	Sub-Total>			0.000		5.434		5.434		5.434		5.434		5.434		0.000		0.000		0.000		0.000		0.000		0.000		27.171		
	Grand Total>>			27.123		124.045		28.698		29.928		24.884		17.156		6.816		7.088		7.388		7.717		8.079		8.477		297.400		

*[Signature]*  
Forest Range Officer  
Rapur

*[Signature]*  
District Forest Officer  
SPSR NELLORE

*[Signature]*  
10/8/23



Statement Showing the C.A Scheme proposal over an extent of 30.62 Ha (Equalling to Mining area) in Sy.No.122, 125, 126, 127, 128, 129,130, 131,133,134, 135,140 & 141of Tegacherla Village, Rapur Mandal, SPSR Nellore District / Division, Rapur Range in lieu of Diversion of 32.48 Ha (30.62ha for Mining+ 1.86ha for SZA) of Forest land in Compt. No.91, Momidi RF, Chillakur mandal (formerly in SPSR Nellore district) now in Tirupati District /Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

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18	10th year maintenance	2035-36	30.62	0.111	Ha	3.413
	<b>Sub Total:</b>					<b>150.314</b>
<b>II</b>	<b>Protection (Chain Link Fencing )</b>					
1	Erection of Chain Link fencing around the CA Plantation Sy.No.122, 125, 126, 127, 128, 129,130, 131,133,134, 135,140 & 141of Tegacherla Village, Rapur Mandal, SPSR Nellore District/ Division, Rapur Range	2025-26	3006	0.02123	Rmt	63.817
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3	Construction of RCC Pillars around the CA area	2024-25	30	0.15000	Each (LS)	4.500
	<b>Sub Total:</b>					<b>74.877</b>
	<b>(I+II) Total cost of Plantation:</b>					<b>225.191</b>
<b>III</b>	SMC Works (15%of the total planting Cost)			--		33.779
	<b>Sub Total:</b>					<b>33.779</b>
<b>IV</b>	Monitoring and Evaluation 5% of the total planting Cost			--		11.260
<b>V</b>	Administrative Cost @ 10% of the planting Cost (Wages to NTM & DEO in Rapur Range Office & DFO Office, Nellore, and other maintenance of office building furniture and stationery for 5 years)			--		27.171
	<b>Grand Total:</b>					<b>297.400</b>

District Forest Officer  
SPSR NELLORE

Forest Range Officer  
Rapur

10/8/23



**ABSTRACT ESTIMATE**

Estimate for the erection of Chain link fencing about 3006 Rmt length and 1.50Mts height around the proposed CA area in Rapur Range, Nellore Division instead of Diversion of 32.48Ha of Forest land in Compt. No.91, Momidi RF, Tirupati Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

Sl. No	Qty.	Units	Description of work	Rate	Per	Amount
1	2	3	4	5	6	7
1	113.40	Cum	Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308)	231.59	Cum	26262
2	113.40	Cum	Plain Cement concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete	8360.97	Cum	948100
3	3006	Rmt	Providing 1.50 metre high fencing with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.45 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be strutted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm and bolts etc. up to 1.50mts a complete in all respects. (MORTH Suggestive ), with Painting two coats including priming	1163.36	Rmt	3497048
			<b>Sub total</b>			<b>4471409</b>
			GST @ 12% of estimate cost			536569
			Labour Cess @ 1% of estimate cost			44714
			Contingencies @ 5% on estimate cost			223570
			<b>Total cost</b>			<b>5276263</b>

Unit cost for 2023-24 5276263  
Add 10% for 2024-25 5803889  
Add 10% for 2025-26 6384278  
Rate per 1 Rmt 2123.84 Rmt

*[Signature]*  
District Forest Officer  
SPSR NELLORE

10/8/23

*[Signature]*  
7.8.23  
Forest Range Officer  
Rapur



# DETAILED ESTIMATE

Estimate for the erection of Chain link fencing about 3006 Rmt length and 1.50Mts height around the proposed CA area in Rapur Range, Nellore Division instead of Diversion of 32.48Ha of Forest land in Compt. No.91, Momidi RF, Tirupati Division for grant of quarry lease for Silica Sand in favour of M/s. Sri Mines.

Sl. No	Description of work	Nos	Measurements			Quantity	
			L	B	D		
1	2	3	4	5	6	7	
1	Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308)						
	For a Length of = 3006 RMT as per sketch	3006					
	For Fencing Angels @ Every 3mtr Intravals	1002	0.45	0.45	0.45	91.31	
	Support Angels @ Every 10th Angle	200	0.45	0.45	0.45	18.26	
	Support Angulars in corners and addl. support	42	0.45	0.45	0.45	3.83	
	<b>Total Qty</b>					113.40	<b>Cum</b>
2	Plain Cement Concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete						
	For a Length of = 3006 RMT as per sketch						
	For Fencing Angels @ Every 3mtr Intravals	1002	0.45	0.45	0.45	91.31	
	Support Angels @ Every 10th Angle	200	0.45	0.45	0.45	18.26	
	Support Angulars in corners and addl. support	42	0.45	0.45	0.45	3.83	
	<b>Total Qty</b>					113.40	<b>Cum</b>
3	Providing 1.50 metre high fencing (with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.60 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be strutted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm and bolts etc. up to 1.50mts complete in all respects. (MORTH Suggestive )	1	3006	-	-	3006	Rmt

7.8.23  
Forest Range Officer  
Rapur

10/8/23  
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SPSR NELLORE



**LEAD STATEMENT- (As per SSR 2023-24)**

Sl. No.	Description	SOR Item Code	Source of Material	Lead in KM	Initial Cost	Conveyance Charges	Deduct 1 Km lead	add loading charges	add un loading charges	Net Conveyance	Add Seigniorage	Total (6+9+10)	Unit Per
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Cost of Cement	SSR 2023-24	From 50 Km Local	50.00	4220.00	434.80	22.40	87.60	87.60	587.60	0.00	4807.60	1 MT
2	Cost of Anglers & Flats	ENC, Vijayawada Lr.no.ENC/IW/SE(P&M)/EE.I/D EE.2/AEE(NR)/Steel/Vol- 13.dt.19.5.2023	From 20 Km Local	20.00	61500.00	434.80	22.40	105.00	105.00	622.40	0.00	62122.40	1 MT
3	Cost of Sand (Unscreened)	GO MAT-00027	Chennur	165.00	605.00	2145.90	37.30	26.60	13.30	2148.50	100.00	2853.50	1 Cum
4	Cost of 20 mm Metal	M-53 MAT-00218	Ramatherham	120.00	1622.00	1587.90	34.70	53.10	26.55	1632.85	90.00	3344.85	1 Cum

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*[Signature]* 10/8/23



**DATA SHEET -SSR 2023-24**

Item Code	Description of Item	Per	Unit	Rate	Amount
BLDCSTN-2-1	Excavation for Structures				
	Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308)				
	Ordinary soil				
	Manual Means Upto 3 m depth				
	Unit = cum				
	Taking output = 10 cum				
	a) Labour				
	Mate	day	-		
	Mazdoor (Unskilled)	day	3.64	560.00	2038.40
	b&c) Overheads & Contractors Profit				277.53
	Cost for 10 cum = a+b+c				2315.93
	Rate per cum = (a+b+c)/10				231.59
BLD-CSTN-3-12	Plain Cement concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete				
	using 20mm metal using concrete mixer				
	Unit : 1cum				
	A. MATERIALS:				
	Cement	Kg	275.00	4.808	1322.09
BLD-CSTN-3-12	Coarse aggregate 20mm	cum	0.90	3344.85	3010.37
	Fine aggregate (Sand)	cum	0.48	2853.50	1369.68
	Water (including for curing) (Urbun)	kl	1.20	99.00	118.80
	B. MACHINERY				0.00
	Concrete Mixer 10/7cft(0.2/0.8 Cum) capacity	hour	1.00	692.70	692.70
	C. LABOUR:				0.00
	Mason 1 <sup>st</sup> class	day	0.10	670.00	67.00
	Mazdoor (unskilled)	day	1.39	560.00	778.40
	Sub total				7359.04
	Overheads & Contractors Profit		13.615%		1001.93
	<b>Grand Total</b>				<b>8360.97</b>
RBR-TSRA-7	Painting on Steel Surfaces				
	Providing and applying two coats of ready mix Enamel paint including primer coat of approved brand on steel surface after through cleaning of surface to give an even shade as per drawing and Technical Specification Clause 1701MORD				
	Unit = sqm				
	Taking output = 10 sqm				
	a) Labour				
	Painter CL-1	day	0.00	750.00	0.00
	Painter (2nd Class)	day	0.60	605.00	363.00
	Mazdoor (Unskilled)	day	0.40	560.00	224.00
	b) Material				
	Red-oxide Primer as per specifications (Item No. BMT-J.03)	litre	0.60	160.00	96.00
	Paint ready mixed approved brand (Item No. BMT-J.30)	litre	1.25	191.00	238.75
	Sub total				921.75
	Overheads & Contractors Profit		13.615%		125.50
	Cost for 10 sqm = a+b+c+d				1047.25
	Rate per sqm = (a+b+c+d)/10				104.725

  
 District Forest Officer  
 SPSR Nellore  
 10/8/23

  
 Forest Range Officer  
 Rapur  
 10.7.23



Item Code	Description of Item	Per	Unit	Rate	Amount
RBR-TSRA-17	Fencing With Hot Dipped Galvanised Iron Chain Link Mesh				
	Providing 1.50 metre high fencing with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.45 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be struted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm complete in all respects. (MORTH Suggestive )				
RBR-TSRA-17	Unit = Running metre				
	Taking output = 30 m				
	a) Labour				
	Mate	day	-		
	Welder	day	1.00	655.00	655.00
	Mazdoor	day	2.12	560.00	1187.20
	b) Material				
	i) Angle iron for posts 50 x 50 x 6 mm (Proportionate weight for 1.50Mts).	kg	105.40	62.12	6547.70
	ii) Runner flat 50 x 5 mm (Proportionate weight for 1.50Mts).	kg	29.97	62.12	1861.81
	iii) Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh 8 gauge or 75 mm x 75 mm mesh (30 mtr X 1.5 Mtr) (Item No. BMT-F.22,)	Sqm	45.00	421.00	18945.00
	Add 2.5 percent of cost of material for drilling holes in angles, flats, splitting angle at bottom, nuts and bolts and welded consumables			27354.51	683.86
	d) Painting				
	Painting two coats including priming	sqm	8.00	104.72	837.80
	Sub total				30718.37
	Overheads & Contractors Profit		13.615%		4182.31
	Cost for 30 metre = a+b+c+d+e+f				34900.67
	Rate per metre = (a+b+c+d+e+f)/30				1163.36

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## PRIMARY BEDS

### STANDARD UNIT COST FOR RAISING OF PRIMARY BEDS FOR RAISING OF NTHS SPECIES (As per FSR 2023-24)

Sl. No.	Qty.	Description of work	2023-24 FSR Item No.	Rate	Per/ Unit	Amount
1	2	3	4	5	6	7
1	1100 Nos.	Preparation of old site - by clearing the site by dismantling old beds.	01-02-002	2.02	Bed/ 333 Nos.	6.67
2	1100 Nos.	Digging soil to a depth of 30 cm	01-02-003	60.12	Bed/ 333 Nos.	198.59
3	1100 Nos.	Cost of sandy soil 50% of dugged quantity and transportation taken from private lands, with 5 kms lead loading and unloading charges by mannual means (Sandy soil and FYM. in 5:1 proportion) 0.125 cum per bed	01-02-004	49.30	Bed/ 333 Nos.	162.85
4	1100 Nos.	Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proprtion) 0.025 cum per bed	01-02-005	55.00	Bed/ 333 Nos.	181.68
5	1100 Nos.	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 and filling of bed.	01-02-006	16.80	Bed/ 333 Nos.	55.50
6	1100 Nos/ 6.30 Kgs	Cost of seed Nallamaddi @ Rs.131.81/Kg. 175 seedlings per Kg seed	Actuals	150.3	Kg	946.64
7	1100 Nos.	Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm.	01-02-008	19.09	Bed/ 333 Nos.	63.06
8	1100 Nos./ 2 months	Watering the primary nursery beds with rose water cans for a maximum period of 2 months. <u>Note:</u> Watering the primary beds beyond 2 months especially in the case of North-East monsoon areas prior approval of the CF concerned is required.	01-02-009	21.42	Bed/ 333 Nos/ month	141.51
9	1100 Nos./ 2 times	Weeding the primary beds maximum of 2 times <u>Note:</u> Weeding the primary beds more than 2 times prior approval of the CF concerned is required.	01-02-010	3.20	Bed/ 333 Nos/ time	21.14
10	1100 Nos.	Contingences such as cost of pipes, nursery board, electricity bills etc - 10% of estimate cost	01-05-035			199.35
		<b>Total :</b>				<b>1977.00</b>

Unit Cost for Bed (Misc. Species) for 2023-24

Add 10% for 2024-25

Unit Cost for 2024-25

Unit Cost for 2025-26

1.80

0.18

1.98

2.17 Each

  
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**STANDARD UNIT COST FOR RAISING OF 6"X12" NTSH BAG PLANTS NURSERY**  
(As per FSR 2023-24)

Sl. No.	Qty.	Description of work	2023-24 FSR Item No.	Rate	Per/ Unit	Amount
1	2	3	4	5	6	7
		<b>Raising of Bag plant nursery in Polythene bags of different sizes and arranging in beds (Bed size 10Mx1M)</b>				
1	1100 Nos.	Site preparation for old site - Clearing of growth, weeds, grass etc.	01-05-002	20.54	Bed/ 1100	20.54
		<b>Cost and transport of ingredients for Potting mixture Red Soil and Clayey Soil in 2:1 ratio as per CSSR 2011-12</b>				
2	1100 Nos.	15 cm X 30 cm (6" X 12") 2.15 cum.	01-05-005	849.39	1000 Nos.	934.33
		<b>Preparation of potting mixture Red Soil and Clayey Soil in 2:1 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 finger tips and arranging in beds.</b>				
3	1100 Nos.	15 cm X 30 cm (6" X 12") 2.15 cum.	01-05-011	2056.63	1000	2262.29
4	1150 Nos./ 10 Kgs	Cost of Polythene bags (@ 115.Nos./Kg) Tender rate (Rc.no. 13/2023-TO, Dt.02.02.2023 Proceeding of CCF, Guntur.)	01-05-015	144.93	Kg	1449.30
5	1100 Nos.	Picking out seedlings from primary beds and transplanting in bags.	01-05-016	217.810	1000	239.59
6	1000 Nos/ 5 months	Watering the plants twice a day for 10 m X 1 m size bed (2600-4"X7" bags; 1700-5"X9" bags ; 1100-6"X12" bags and 800-8"X12" bags)	01-05-020	503.26	Bed/ 1100/ month	2287.55
7	1000 Nos./ 2 times	Weeding only two times for 10 m X 1 m size bed (2600 -4" X 7" bags; 1700-5" X9" bags ; 1100-6"X12" bags and 800-8"X12" bags)	01-05-022	77.59	Bed/ 1100/ weeding	141.07
8	1000 Nos./ 1 time	Shifting & grading and rearranging in beds for 10mx1m size bed (6x12 bags-1100 Nos) only once	01-05-024	427.94	Bed/ 1100/ shifting	389.04
9		Cost of chemicals, insecticides, pesticides etc.,	01-05-025	Actuals		250.00
10	1000 Nos./ 1 time	Cost of cow dung slurry	01-05-033	As per actuals		250.00
11	1000 Nos./ 1 time	Application of cow dung slurry at the rate of 100 ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and 2 times in maintenance) <b>Note:</b> Watering should not be done 12 hours before and after application of cow dung slurry	01-05-034	322.36	1000/ time	322.36
12	1000 Nos/ 25 Rmt	<b>Brush wood fencing around the planting area:</b> Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5 m and fenceing material should be fixed in 2 rows (staggered) at 30 cm apart. The fence should be tightened horizontally by tying with thorny reapers on both sides.	01-05-039	43.71	Rmt	1092.75
13	1000 Nos./ 5 months	Cost of Protection. 1 watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds 1 more watcher is allowed. Average per 100beds.	01-05-041	580.00	Day	754.00
14	1000 Nos	Contingencies/ Cost of pipes/ Nursery board/ Nursery implements/ Electricity bill/ Running and maintenance charges of oil engine (Bills to be verified and certified by the ACF/DFO) etc.	01-05-038	Subject to maximum of 10% of estimate cost during raising year.		1039.18
		<b>Total :</b>				<b>11432.00</b>

Unit cost per primary bed 1.98  
Unit cost per bag plant 11.43  
Total unit cost per bag plant 13.41

Add 10% for 2024-23 1.34  
Unit Cost for 2024-25 14.75  
Unit Cost for 2025-26 16.22  
Unit Cost for 2026-27 17.85

Each bag plant

  
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**SPSR NELLORE**

  
**Forest Range Officer**  
**Rapur**

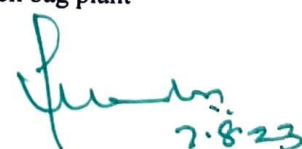


**STANDARD UNIT COST FOR MAINTENANCE OF 6"X12" NTSH BAG PLANTS**  
(As per FSR 2023-24)

Sl. No.	Qty.	Description of work	2023-24 FSR Item No.	Rate	Per/ Unit	Amount
1	2	3	4	5	6	7
		<b>Maint.of bag nursery from April to July</b>				
1	1000 Nos./ 4 months	Watering the plants for 10 m X 1 m size bed (2600-4"X7" bags; 1700-5"X9" bags ; 1100-6"X12" bags and 800-8"X12" bags) <b>Note:</b> Any watering beyond July in case of South-West monsoon and beyond October in case of North-East monsoon is to be allowed with prior permission of concerned CF.	01-05-028	503.26	Bed/ 1100/ month	1830.04
2	1000 Nos./ 4 times	Weeding maximum four times during maintenance year for 10mx1m size bed (2600-4"X7" bags; 1700-5"X9" bags; 1100-6"X12" bags and 800-8"X12" bags)	01-05-030	77.59	Bed/ 1100/ weeding	282.15
3	1000 Nos./ 2 times	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed maximum 2 shifts (6x12 bags-1100 Nos) <b>Note;</b> More than 2 shifts to be allowed (with prior permission of circle head)	01-05-032	427.94	Bed/ 1100/ shifting	778.07
4	1000 Nos./ 2 times	Cost of cow dung slurry	01-05-033		Actuals	800.00
5	1000 Nos./ 2 times	Application of cow dung slurry at the rate of 100 ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and 2 times in maint.) <b>Note:</b> Watering should not be done 12 hours before and after application of cow dung slurry.	01-05-034	322.36	1000/ time	644.72
		<b>Maintenance of bag nursery from August onwards till disposal</b>				
6	1000 Nos./ 4 months	Watering the plants for 10mX1m size bed (2600-4"X 7" bags; 1700-5"X9" bags; 1100-6"X12" bags and 800-8"X12" bags)	01-05-035	201.32	Bed/ 1100/ month	732.07
7	1000 Nos./ 2 times	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed (6x12 bags-1100 Nos) <b>Note;</b> More than 2 shifts to be allowed (with prior permission of circle head)	01-05-037	427.94	Bed/ 1100/ shifting	778.07
9	1000 Nos./ 8 months	Cost of Protection. 1 watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds 1 more watcher is allowed. Average 100beds. (26 days/month).	01-05-041	580.00	Day	1206.40
10	1000 Nos.	Contingencies/ Cost of pipes/ Nursery board/ Nursery implements/ Electricity bill/ Running and maintenance charges of oil engine (Bills to be verified and certified by the ACF/DFO) etc.	01-05-038	Subject to maximum of 5% of the estimate cost during maint.year		352.48
		<b>Total :</b>				<b>7404.00</b>

Unit cost per bag plant for 2023-24 7.40  
Add 10% for 2024-25 0.74  
Unit Cost for 2024-25 8.14  
Unit Cost for 2025-26 8.88  
Unit Cost for 2026-27 9.77  
Unit Cost for 2027-28 10.75 Each bag plant

  
**District Forest Officer**  
**SPSR NELLORE**

  
**Forest Range Officer**  
**Rapur**

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**Standard Unit Cost for Advance Operations for 1 Ha in Nellore Division of Guntur Circle  
(As per FSR 2023-24)**

Sl.no	Qty.	Details of work	2023-24 FSR Item No.	Rate	Unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	
		<b>Advance operations (Preplanting operations)</b>				
1	1	Survey with GPS (Only staff to carry out. One manday is allowed for assistance) Wage rate fixed by the Dist.Collector per day	02-05-001	580.00	Day	580.00
		<b>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.</b>				
2	1.00	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth)	02-05-004	8479.25	Ha	8479.25
3	150	Formation of sector lines/ inspection paths/ fire lines of a width of 3m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. Applicable for plantations other than SMM	02-05-006	8.99	Rmt	1348.50
		<b>Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling.</b>				
4	1.00	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth).	02-05-009	24650.94	Ha	24650.94
		<b>Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site.</b>				
5	1.00	Light Jungle growth (>20% and upto 30% ground area covered with Jungle.growth)	02-05-013	14595.85	Ha	14595.85
6		Contingencies				345.46
		<b>Total Cost</b>				<b>50000.00</b>

Unit cost for 2023-24      50000.00      Per Ha  
Add 10% for 2024-25      55000.00      per Ha

  
7.8.23

**Forest Range Officer  
Rapur**

**District Forest Officer  
SPSR NELLORE**

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**Standard Unit Cost for Raising of NTSH Plantations under SMM Method for NTSH Unit cost for 1 Ha in Nellore**  
**Division of Guntur Circle (As per FSR 2023-24)**

Sl. No.	Qty.	Description of work with detailed specifications	2023-24 FSR Item No.	Rate in Rs.	Per/ Unit	Amount
		<b>Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Untilled areas)</b>				
1	1.00	Hard /Gravelly Soils	02-05-020	8280.25	Ha	8280.25
2	1.00	Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For non-tilled areas only)	02-05-024	1419.40	Ha	1419.40
		<b>Alignment &amp; Staking</b>				
3	1111	Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	02-06-003	123.30	100 Nos	1369.86
4	1111	Cost of 0.45M Stake preparation and transportation to site.	02-06-005	80.27	100 Nos	891.80
		<b>Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 50 Km lead (5 Km lead)</b>				
5	1111	15X30cm (6"X12") bag plants	02-06-009	211.00	100 Nos	2344.210
		<b>Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km average lead 100Km</b>				
6	1111	15 X 30cm (6"X12") bag plants ( 7.39*95km = 702.05/100 nos)	02-06-014	702.05	100 nos/ km	7799.776
		<b>Internal transport of bag plants/root trainers to planting points on head loads.</b>				
7	1111	15X30cm (6"X12") bag plants	02-06-019	135.35	100 Nos	1503.74
		<b>Digging of pits in ploughed areas</b>				
8	1111	Digging of 45 cm. cube pits	02-06-027	13.55	Each	15054.05
		<b>Application of Fertilizers</b>				
9		Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP after planting for 30 cm <sup>3</sup> & 45 cm <sup>3</sup> pits).	02-06-031		As per actuals	
	56.00	a) Cost of SSP @ 50 Grams/Pit - 56Kgs/Ha		25.00	Kg	1400.00
	22.00	a) Cost of DAP @ 20 Grams/Pit - 22 Kgs/Ha		40.00	Kg	880.00
10	1111	Application of fertilizer after planting by making 3 holes of 10 cms depth with crow bar 10 cms away from plant and putting fertilizers and closing	02-06-032	57.90	100 Nos	643.27
		<b>Planting bag plants</b>				
11	1111	45cmX45cmX45 cm pits	02-06-034	644.71	100 Nos	7162.73
12	1111	Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head (Two Waterings) As per condition no.80 of Guntur FSR-2023-24	02-06-054	3.71	Plant per time	8243.62
13		Replacement of Casualties 15% during raising year	02-06-036			
	167	a) Reopening of pits		677.50	100 Nos	1129.05
	167	b) 15 X 30cm (6"X12") bag plants ( 7.39*95km = 702.05/100 nos)		702.05	100 Nos	1169.97
	167	c) Internal transport		135.35	100 Nos	225.56
	167	d) Planting		644.71	100 Nos	1074.41
		<b>Weeding &amp; Soil working</b>				
14	1111	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils.	02-06-041	967.08	100 Nos	10744.26
		<b>Inter ploughing</b>				
15	1.00	1st Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-06-045	5519.35	Ha	5519.35
15a	1.00	2nd Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-06-045	5519.35	Ha	5519.35
16	150	Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation	02-06-049	8.99	Rmt	1348.50
17	1 No./ 8 months	Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist. Collector per day.	02-06-053	580.00	Day	6032.00
18	1111	Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head (Six Waterings)As per condition no.80 of Guntur FSR-2022-23	02-06-054	3.71	Plant per time	24730.86
19		Contingencies for enumeration of survivals, fixing 10th line stones, cost of numbering with paint/ white washing, sector stones, plantation boards, journals etc.	02-06-056	As per actuals subject to maximum of 10% of estimate cost during raising year		11420.13
		<b>Total cost</b>				<b>125906.14</b>

Unit cost for 2023-24  
Add 10% for 2024-25  
Add 10% for 2025-26

125906.14  
138496.76  
152346.43 Per Ha

**District Forest Officer**

**SPSR NELLUR**

**Forest Range Officer**  
**Rapur**



**Standard Unit Cost for 1st Year Maintenance of NTSH Plantations under SMM Method for NTSH**  
**Unit cost for 1 Ha in Nellore Division of Guntur Circle (As per FSR 2023-24)**

Sl. No	Qty	Details of work	2023-24 FSR Item No.	Per	Unit	Rate
	(1)	(2)	(3)	(4)	(5)	(6)
		<b>1st YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</b>				
1	1111	Replacement of Casualties 10% in 1st year maint.	02-07-001			
	111	a) Reopening of pits		1355.00	100 Nos	1505.41
	111	b) 15 X 30cm (6"X12") bag plants ( 7.39*95km = 702.05/100 nos)		702.05	100 Nos	779.98
	111	c) Internal transport		135.35	100 Nos	150.37
	111	d) Planting		644.71	100 Nos	716.27
		<b>Application of Fertilizers</b>				
2	1111	Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head. As per condition no.80 of Guntur FSR-2022-23	02-06-054	3.71	Plant per time	4121.81
3		Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP for replacement of casualties).	02-07-002		As per actuals	
4	5.55	a) Cost of SSP @ 50 Grams/Pit - 5.55 Kgs/Ha		25.00	Kg	138.75
5	2.22	a) Cost of DAP @ 20 Grams/Pit - 2.22Kgs/Ha		40.00	Kg	88.80
6	111	Application of fertilizer after planting by making 3 holes of 10 cms depth with crow bar. 10 cms away from plant amd putting fertilizers and closing	02-07-003	57.90	100 Nos	64.33
		<b>Inter ploughing</b>				
7	1.00	1st Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-07-007	5519.35	Ha	5519.35
7a	1.00	2nd Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-07-007	5519.35	Ha	5519.35
8	1111	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils.	02-07-011	967.08	100 Nos	10744.26
9	150	Creation of Fire lines 3 mts wide	02-07-014	8.99	Rmt	1348.50
10	1000	Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02-07-015	183.03	100 Nos	1830.12
11	1 No./ 12 months	Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day	02-07-017	580.00	Day	9048.00
12		Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc.	02-07-018	As per actuals subject to maximum of 5% of estimate cost during maint. year		2078.71
		<b>Total Cost</b>				<b>43654.00</b>

Unit cost for 2023-24 43654.00  
Add 10% for 2024-25 48019.40  
Add 10% for 2025-26 52821.34  
Add 10% for 2026-27 58103.48 Ha

**District Forest Officer**  
**SPSR NELLORE**

**Forest Range Officer**  
**Rapur**



**Standard Unit Cost for 2nd Year Maintenance of NTSH Plantations under SMM Method for NTSH Unit cost for 1 Ha in Nellore Division of Guntur Circle (As per FSR 2023-24)**

o	Qty	Details of work	2023-24 FSR Item No.	Per	Unit	Rate
	(1)	(2)	(3)	(4)	(5)	(6)
		<b>2nd YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS/SEMI MECHANICAL METHOD:</b>	<b>02-08:</b>			
1	1111	Replacement of Casualties 10% in 1st year maint. ( Spl.condition no.78 of FSR 2023-24)	02-07-001			
	111	a) Reopening of pits		1355.00	100 Nos	1505.41
	111	b) 15 X 30cm (6"X12") bag plants ( 7.39*95km = 702.05/100 nos)		702.05	100 Nos	779.98
	111	c) Internal transport		135.35	100 Nos	150.37
	111	d) Planting		644.71	100 Nos	716.27
2	1111	Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head. As per condition no.80 of Guntur FSR-2023-24	02-06-054	3.71	Plant per time	4121.81
3		Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP for backward plants).	02-08-001			
	5.55	a) Cost of SSP @ 50 Grams/Pit - 5.55 Kgs/Ha		25.00	Kg	138.75
	2.22	a) Cost of DAP @ 20 Grams/Pit - 2.22Kgs/Ha		40.00	Kg	88.80
4	111	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant amd putting fertilizers and closing	02-08-002	57.90	100 Nos	64.33
5	1111	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils.	02-08-004	967.08	100 Nos	10744.26
		<b>Inter ploughing</b>				
6	1.00	1st Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-08-008	5519.35	Ha	5519.35
6a	1.00	2nd Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-08-008	5519.35	Ha	5519.35
7	150	Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation	02-08-012	8.99	Rmt	1348.50
8	1 No./ 12 months	Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day	02-08-014	580.00	Day	9048.00
9	1000	Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02-08-015	183.03	100 Nos	1830.12
10		Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc.	02-08-016	As per actuals subject to maximum of 5% of estimate cost during maint. year		2078.71
		<b>Total Cost</b>				<b>43654.00</b>


Unit Cost for 2023-24 43654.00  
Add 10% For 2024-25 48019.40  
Add 10% For 2025-26 52821.34  
Add 10% For 2026-27 58103.00  
Add 10% For 2027-28 63913.00



**Standard Unit Cost for 3rd Year Maintenance of NTSH Plantations under SMM Method for NTSH Unit cost for 1 Ha in Nellore Division of Guntur Circle (As per FSR 2023-24)**

Sl. No	Qty	Details of work	2023-24 FSR Item No.	Per	Unit	Rate
	(1)	(2)	(3)	(4)	(5)	(6)
		<b>3rd YEAR YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</b>				
1	1111	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils.	02-09-002	967.08	100 Nos	10744.26
		<b>Inter ploughing</b>				
2	1.00	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-09-006	5519.35	Ha	5519.35
3	150	Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation	02-09-008	8.99	Rmt	1348.50
4	1 No./ 12 Months	Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day	02.09.009	580.00	Day	9048.00
5	1111	Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02-09-010	183.03	100 Nos	2033.46
6		Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc.	02-09-012	As per actuals subject to maximum of 5% of estimate cost during maint. year		1434.43
		<b>Total Cost</b>				<b>30128.00</b>

Unit Cost for 2023-24      30128.00  
Add 10% for 2024-25      33140.80  
Add 10% for 2025-26      36455.00  
Add 10% for 2026-27      40101.00  
Add 10% for 2027-28      44111.00  
Add 10% for 2028-29      **48522.00**      Ha

  
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**Forest Range Officer  
Rapur**

  
**District Forest Officer  
SPSR NELLORE**

10/8/23

**Standard Unit Cost for 4th Year Maintenance of NTSH Plantations under SMM Method for NTSH & Red Sanders Unit cost for 1 Ha in Nellore Division of Guntur Circle (As per FSR 2023-24)**

Sl. No	Qty	Details of work	2023-24 FSR Item No.	Rate	Per	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
		<b>4th YEAR YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</b>				
1	150	Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation	02-10-001	8.99	Rmt	1348.50
2	1 No./ 12Months	Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less <b>prior approval of Circle Head</b> is required. Wage rate fixed by the Dist.Collector per day	02-10-002	580.00	Day	9048.00
3	1111	Pruning of lower foliage/ branches of NTSP /NTSH/Misc species. like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02-10-003	183.03	100 Nos	2033.46
4		Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc.	02-10-004	As per actuals subject to maximum of 5% of estimate cost during maint. year		621.04
		<b>Total Cost</b>				<b>13051.00</b>

Unit Cost for 2023-24	13051.00	Ha
Add 10% for 2024-25	14356.00	Ha
Add 10% for 2025-26	15792.00	Ha
Add 10% for 2026-27	17371.00	Ha
Add 10% for 2027-28	19108.00	Ha
Add 10% for 2028-29	21019.00	Ha
Add 10% for 2029-30	<b>23121.00</b>	<b>Ha</b>

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7.8.23

**Forest Range Officer  
Rapur**

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**District Forest Officer**  
**SPSR NELLORE**  
10/8/23



**Standard Unit Cost for 5th Year to 10th Maintenance of NTSH Plantations under SMM Method for NTSH**  
**Unit cost for 1 Ha in Nellore Division of Guntur Circle (As per FSR 2023-24)**

Sl. No	Qty	Details of work	FSR Item No.	Rate	Per	Amount
(1)	(2)	(3)	(4)	(5)	(6)	
		<b>5th YEAR YEAR to 10th year MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS:</b>				
1	150	Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation	02-10-001	8.99	Rmt	1348.50
2	1111	Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02-10-003	183.03	100 Nos	2033.46
3		Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc.	02-10-004	As per actuals subject to maximum of 5% of estimate cost during maint. year		169.04
		<b>Total Cost</b>				<b>3551.00</b>

Unit Cost for 2023-24	3551.00	Ha	
Add 10% for 2024-25	3906.00	Ha	
Add 10% for 2025-26	4297.00	Ha	
Add 10% for 2026-27	4727.00	Ha	
Add 10% for 2027-28	5200.00	Ha	
Add 10% for 2028-29	5720.00	Ha	
Add 10% for 2029-30	6292.00	Ha	<b>OR</b>
Add 10% for 2030-31	6921.00	Ha	<b>6921.00</b> 5th year
Add 10% for 2031-32	7613.00	Ha	<b>7613.00</b> 6th year
Add 10% for 2032-33	8374.00	Ha	<b>8374.00</b> 7th year
Add 10% for 2033-34	9211.00	Ha	<b>9211.00</b> 8th year
Add 10% for 2034-35	10132.00	Ha	<b>10132.00</b> 9th year
Add 10% for 2035-36	11145.00	Ha	<b>11145.00</b> 10th year

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7.8.23

**Forest Range Officer**  
**Rapur**

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**District Forest Officer**  
**SPSR NELLORE**  
10/8/23

**Data sheet for Maint., of Chain Link Fencing around the Non-Forest CA Area  
(FSR 2023-24)**

Sl. No.	Qty.	Description of work	2023-24 FSR Item No.	Rate	Per/ Unit	Amount
1	2	3	4	5	6	7
1	4510	Salvaging of old chain link (3006*1.50 = 4509 sqmt)	05-05-004	6.53	1 sqmt	29450.30
2		Contingencies	02-13-003	LS		1472.70
		<b>Total</b>				<b>30923.00</b>

Unit cost for 2023-24	30923.00		
Add 10% for 2024-25	34015.30		
Add 10% for 2025-26	37416.83	OR	
<b>Add 10% for 2026-27</b>	<b>41158.51</b>	<b>41159.00</b>	1st Year
Add 10% for 2027-28	45274.36	<b>45274.00</b>	2nd Year
Add 10% for 2028-29	49801.80	<b>49802.00</b>	3rd Year
Add 10% for 2029-30	54781.98	<b>54782.00</b>	4th Year
Add 10% for 2030-31	60260.18	<b>60260.00</b>	5th Year
Add 10% for 2031-32	66286.20	<b>66286.00</b>	6th Year
Add 10% for 2033-33	72914.82	<b>72915.00</b>	7th Year
Add 10% for 2033-34	80206.30	<b>80206.00</b>	8th Year
Add 10% for 2034-35	88226.93	<b>88227.00</b>	9th Year
Add 10% for 2035-36	97049.62	<b>97050.00</b>	10th Year
		<b>655961.00</b>	
		<b>218.22</b>	Rmt

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7.8.23

**Forest Range Officer  
Rapur**

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District Forest Officer  
SESR NELLORE  
10/8/23