

**COMPENSATORY AFFORESTATION SCHEME OVER 356.93 Ha NON FOREST LAND IN  
BELLAMPALLY DIVISION IN LIEU DIVERSION OF 479.5845 Ha FOREST LAND FOR DR.  
B.R. AMBEDKAR PRANAHITHA CHEVELLA SUJALA SRAVANTHI PROJECT IN  
FAVOUR OF CE, (Projects) ADIALBAD.**

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**1.0 INTRODUCTION:**

The Principal Chief Conservator of Forests, T.S, Hyderabad vide Rc.No.10205/2016-FCA-1/TS, Dated:-21.07.2016. while communicating the proposals for diversion of **479.5845 Ha**. Forest land in Bellampally division for Dr. B.R. Ambedkar Pranahitha Chevella Sujala Sravanthi project of CE, (Projects) Adilabad has issued instructions to prepare CA scheme over the non – forest lands which have already been inspected and soil suitability certificates issued by the Divisional Forest Officers. The Divisional Forest Officer, Bellampally has inspected the non-forest CA lands at the locations mentioned in the Para No. 3.1 below and issued suitability certificates for raising of plantations with local forest species.

The Principal Chief Conservator of Forests, Telangana State, Hyderabad vide Rc.No.10205/2016-FCA-1/TS, Dated:-21.07.2016. informed that the ETS & DGPS / GNSS data furnished by the Chief Engineer, (Projects) Adilabad pertaining to non-forest CA lands to be taken over in lieu of diversion of forest land for this project has been verified and accepted.

Accordingly, CA scheme is prepared over 356.93 Ha. Non Forest land which are adjacent areas, based on FSR 2016-17 for a period of (13) years from 2016-17 to 2028-29 duly adding 15% escalation charges for the subsequent years.

**2.0 AIMS AND OBJECTIVES:-**

The objectives of the scheme are as follows:

- 2.1 To create the forests of wood species and natural ecology.
- 2.2 Improvement of Biodiversity i.e. Flora and Fauna.
- 2.3 To fulfill broader objective of sustainable environmental conservation for the general good of the people.

To fulfill the above objectives, it is proposed to take up afforestation total extent of 323.93 Ha.

An area of 356.93 Ha.

in Sy.No.13/1 of Dondla Village, Sy.No.8/1 of Manikyapur Village, Sy.No.37/1 of Moinda Gudipet Village, Sy.No.322 of Pangidimadara Village of Tiryani Mandal and Sy.No.17, Village Madaram, Tandur Mandal of Adilabad District under ANR method @ 200 Plants per Ha. with Misc. species like Yegisa, Battaganam, Nalla Maddi & Bamboo etc. and Spoil Banks at Kushnepally Range.



### 3.0 ELEMENTS OF THE PROJECT:-

3.1 Details of the lands identified for raising compensatory afforestation are as follows:-

Sl. No.	Division	Range	Mandal name	Village name	Sy. No	Area proposed for C.A. in Ha	Remarks
1	2	3	4	5	6	7	8
1	Bellampally	Tiryani	Tiryani	Dondla	13/1	35.67	
2			Tiryani	Manikyapur	8/1	79.14	
3			Tiryani	Moinda Gudipet	37/1	141.46	
4			Tiryani	Pangidi Madara	322	59.91	
5		Bellampally	Tandur	Madaram	17	7.75	
6		Kushnepally		Kushnepally		32.9958	
				Konampet			
TOTAL						356.93	

### 3.2 NAME OF THE SCHEME :

Compensatory Afforestation scheme over 356.93 Ha. non forest land in Tandur Mandal of Bellampally Range and Tiryani Mandals of Tiryani Range in lieu of diversion of 479.5845 Ha. Forest land for DR. B.R. Ambedkar Pranahitha Chevella Sujala Sravanthi Project in favour of CE, (Projects), Adilabad.

### 3.3 SITUATION:

The area is situated in Sy.No.13/1 of Dondla Village, Sy.No.8/1 of Manikyapur Village, Sy.No.37/1 of Moinda Gudipet Village, Sy.No.322 of Pangidimadara Village of Tiryani Mandal and Sy.No.17, Village Madaram, Tandur Mandal and Spoil Banks at Kushnepally Range of Adilabad District, Telangana State.

### 3.4 GEOLOGY :

The geology of the area proposed for Compensatory Afforestation is Gondwana formation supporting mixed forests.

### 3.5 SOIL :

The soils of the area proposed for Compensatory Afforestation are sandy loam with very little humus content. They are very well derived with very good soil depth and the soil is fertile.

### 3.6 CLIMATE :

The climate is fairly dry with very hot Summer and cool Winters. During summer, the temperature rises up to 47<sup>0</sup> Centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However Cyclonic rains are common during October - December.

### 3.7 RAIN FALL :

Rainfall is mostly from the Southwest monsoon, Cyclonic rains during October-December is quite common. Average annual rainfall is 1051 mm.

### 3.8 EXISTING VEGETATION :-



It is a small hillock having forest growth about 0.5 to 0.6 density. The type of forest is teak dominated mixed forest.

### **3.9 AGENCY RESPONSIBLE FOR IMPLEMENTATION OF THE COMPENSATORY AFFORESTATION PROGRAM:**

The Compensatory afforestation program will be implemented by the Telangana Forest Department through the Divisional Forest Officer, Bellampally.

### **3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION**

The details of work schedule proposed for Compensatory Afforestation year-wise is appended in appendix-I.

### **3.11 COST STRUCTURE:-**

The Compensatory Afforestation scheme is prepared over an area of **356.93 Ha** for the period for (13) years basing on the Forest Schedule of Rates for the year 2016-17 of Adilabad Circle with an escalation of 15% for 2017-18 and with an annual escalation of 15% for the subsequent years, provided the funds are to be deposited and released during the year 2017-18.

Sl.No.	Year	Forestry Works
1	2016-17	5017555
2	2017 -18	66246496
3	2018-19	71814491
4	2019-20	35867457
5	2020-21	12576248
6	2021-22	14379490
7	2022-23	16536267
8	2023-24	18823383
9	2024-25	21869317
10	2025-26	25149604
11	2026-27	28921970
12	2027-28	33260414
13	2028-29	38249224
	<b>Total</b>	<b>388711916</b> <b>Or: 388700000</b>

This scheme shall be monitored through the machinery of forest department at various levels.

### **4.0 SCHEME COMPONENT:-**

The area identified for Compensatory Afforestation is a small hillock having forest growth about 0.6 density. It is proposed to take up afforestation in CA area with ANR method @ 200 plants per Ha., which comprises of clearance of unwanted growth, heaping the bushes, taking up afforestation with species like Yegisa, Battaganam, Nalla Maddi & Bamboo etc. and to protect the plantation from biotic interference by providing Cattle proof trench, watch and ward and from fire. The plantation will be maintained for 10 years after planting.



#### **4.1 COST STRUCTURE OF PLANTATIONS:-**

The cost structure for Compensatory Afforestation including the cost structure for various components of raising and maintenance of planting stock and the plantation is appended (Appendix-I)

#### **4.2 PROVISION OF FUNDS:-**

The funds for the Compensatory Afforestation have to be deposited by the user agency i.e., The Chief Engineer (Projects), Adilabad in favour of Telangana Forest Department account. These funds will be utilized by the Divisional Forest Officer, Bellampally for raising nurseries, plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

#### **5.0 PLANTING TARGETS AND STAFF REQUIREMENT:-**

The area identified for the Compensatory Afforestation to an extent of 323.93 Ha. is located in Sy.No.13/1 of Dondla Village, Sy.No.8/1 of Manikyapur Village, Sy.No.37/1 of Moinda Gudipet Village, Sy.No.322 of Pangidimadara Village of Tiryani Mandal and Sy.No.17, Village Madaram, Tandur Mandal and Spoil Banks at Kushnepally & Konampet villages of Adilabad District, Telangana State.

No additional staff is proposed as the area to be raised is 356.93 Ha only. The existing staff of Bellampally Division will be utilized for implementing this scheme.

#### **5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING:-**

The amount proposed towards office expenses, contingent expenses is appended (Appendix I).

#### **5.2 CAPITAL EXPENDITURE NON-RECURRING:**

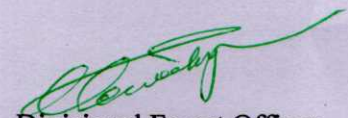
The amount proposed towards Capital Expenditure non-recurring is appended (Appendix I).

#### **5.3 SCHEME PERIOD:-**

This Scheme will be implemented over a period of (13) years commencing from 2016-17 to 2028-29. The details of cash flow required for the entire project period for recurring and non-recurring expenditure is furnished in Appendix-I.

#### **5.4 DETAILS OF PROPOSED MONITORING MECHANISM:-**

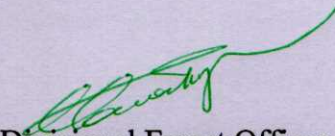
The Conservator of Forests, Adilabad Circle, Adilabad will monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

  
Divisional Forest Officer,  
Bellampally.



**Details of CA land identified by the Revenue department / User Agency in  
Bellampally division.**

1. In consequence of the total 479.5845 Ha. Forest land proposed for diversion in Bellampally Forest Division for Dr. BR Ambedkar Pranahitha Chevilla Sujala Sravanthi Project, 323.93 Ha. CA land and 32.9958 Ha. ( $323.93 + 33.00 = 356.93$ ) of Spoil Banks has been identified by the Revenue Authorities on behalf of user agency. The same has been inspected by the Divisional Forest Officer, Bellampally. Accordingly the suitability certificate is herewith issued.



Divisional Forest Officer,  
Bellampally

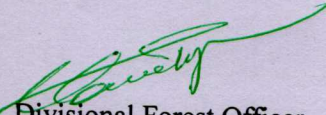


## SOIL SUITABILITY CERTIFICATE

I certify that, the non-forest area of **356.93 Ha.** Revenue land area identified by the Revenue Department / user agency in the following locations is suitable for CA land.

S.N	Name of the Range	Name of the village	Sy. No.	Area in Ha.	Area in Acres.
1	Tiryani	Dondla	13/1	35.67	88.15
2		Manikyapur	8/1	79.14	195.57
3		Moinda Gudipet	37/1	141.46	349.55
4		Pangidi Madara	322	59.91	148.00
5	Bellampally	Madaram	17	7.75	19.14
	Kushnepally	Kushnepally		32.9958	81.21
		Konampet			
	<b>CA Land</b>			<b>356.93</b>	<b>881.64</b>

Date: .08.2016  
Place: Bellampally

  
Divisional Forest Officer  
Bellampally



## APPENDIX - I

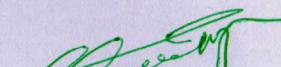
Sl No	Component	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	<b>Raising of Nursery &amp; Plantation:</b>														
	a) Primary beds	74820	21758	0	0	0	0	0	0	0	0	0	0	0	
	b) Primary beds (for Spoil Banking)	37840	6429											0	96578
	c) Raising and Convesion of Nursery for Spoil Banking	0	836070	243320	0	0	0	0	0	0	0	0	0	0	44269
			422840												1079390
2	Maintenance of Nursery for Spoil Banking	0	0	303630	88440	0	0	0	0	0	0	0	0	0	422840
				153560											392070
3	<b>Advance operations (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	153560
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	919149	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	4954509	0	0	0	0	0	0	0	0	0	0	0	919149
4	<b>Raising of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	4954509
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	1178348	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	7025718	0	0	0	0	0	0	0	0	0	0	1178348
	a) SMC works	0	0	9771160	6962903	0	0	0	0	0	0	0	0	0	7025718
	b) Digging of CPT trench work around CA Plantation	0	0	3513029	0	0	0	0	0	0	0	0	0	0	16734063
	c) Construction of Check dams	0	9200000	7935000	9125250	0	0	0	0	0	0	0	0	0	3513029
	d) Formation of Percolation tanks	0	2415000	2777250	3193848	0	0	0	0	0	0	0	0	0	26260250
	e) Saplings of desirable species in natural forests, weeding of miscellaneous growth	0	9873900	13171786	0	0	0	0	0	0	0	0	0	0	8386098
5	<b>1st Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	23045686
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	1166385	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	7980987	0	0	0	0	0	0	0	0	0	1166385
6	<b>2nd Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	7980987
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	885382	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	7761687	0	0	0	0	0	0	0	0	885382
7	<b>3rd Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	7761687
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	1018182	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	8926215	0	0	0	0	0	0	0	1018182
8	<b>4th Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	8926215
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	1170906	0	0	0	0	0	0	1170906
9	<b>5th Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	10265018	0	0	0	0	0	0	10265018
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	0	1170906	0	0	0	0	0	1170906
10	<b>6th Year maintenance of plantation (Area in Ha.)</b>	0	0	0	0	0	0	0	11804657	0	0	0	0	0	11804657
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**APPENDIX - I**  
**ABSTRACT FOR RAISING OF NURSERY AND PLANTATION IN C.A. LAND IN BELLAMPALLY FOREST DIVISION OF ADILABAD DISTRICT.**

Sl No	Component	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	1548525	0	0	0	0	1548525
	ANR method	0	0	0	0	0	0	0	0	13575582	0	0	0	0	13575582
11	7th Year maintenance of plantation (Area in Ha.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	8th Year maintenance of plantation (Area in Ha.)	0	0	0	0	0	0	0	0	1780812	0	0	0	0	1780812
	3m x 2m SMM method	0	0	0	0	0	0	0	0	15611806	0	0	0	0	15611806
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	9th Year maintenance of plantation (Area in Ha.)	0	0	0	0	0	0	0	0	0	2047947	0	0	0	2047947
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	17953496	0	0	0	17953496
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	10th Year maintenance of plantation (Area in Ha.)	0	0	0	0	0	0	0	0	0	0	2355144	0	0	2355144
	3m x 2m SMM method	0	0	0	0	0	0	0	0	0	0	20646650	0	0	20646650
	3m x 3m LI method (for Spoil Banking)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANR method	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Development and improvement and extention of Nursery infrastructure for CA scheme	0	11350000	0	0	0	0	0	0	0	0	0	0	2708409	2708409
16	Erection of chainlink mesh fence	0	6000000	0	0	0	0	0	0	0	0	0	0	0	11350000
	Erection of chainlink mesh fence (for Spoil Banking)	0	0	3000000	0	0	0	0	0	0	0	0	0	0	6000000
17	Construction of boundary pillars	0	2760000	3174000	0	0	0	0	0	0	0	0	0	0	3000000
18	Construction of Watch Towers	0	1200000	1380000	1587000	0	0	0	0	0	0	0	0	0	5934000
19	Construction of Front line staff Quarters	2000000	4600000	5290000	0	0	0	0	0	0	0	0	0	0	4167000
20	Removing of Lantina /Mahaveera	348754	401067	461227	0	0	0	0	0	0	0	0	0	0	11890000
21	Raising of Fodder Plots	100000	115000	132250	0	0	0	0	0	0	0	0	0	0	1211048
	1st Year maintenance	0	60000	69000	79350	0	0	0	0	0	0	0	0	0	347250
	2nd Year maintenance	0	0	50000	57500	66000	0	0	0	0	0	0	0	0	208350
22	Solar Pump sets with Water bodies	2000000	3300000	3600000	0	0	0	0	0	0	0	0	0	0	173500
23	Creation & Maintenance of Fire Lines	0	292100	335915	386302	444248	510885	587515	675645	776990	893540	1027570	1181705	1358965	8900000
24	Providing Antipoaching squad (1 No. with 5 persons & Hired vehicle)	0	1185765	1363630	1568174	1803400	2073910	2384997	2742746	3154158	3627282	4171375	4797081	5516643	8471380
25	Providing Animal Trackers (50Ha./1 person)	0	310500	357078	410640	472236	543072	624534	718212	825942	949836	1092312	1256160	1444584	34389161
	Sub-Total	4561414	60224087	65285901	32606779	11432953	13072264	15032970	17112166	19881197	22863276	26292700	30236740	34772022	353374469
26	Administrative Cost 10%	456141	6022409	6528590	3260678	1143295	1307226	1503297	1711217	1988120	2286328	2629270	3023674	3477202	35337447
	TOTAL:	5017555	66246496	71814491	35867457	12576248	14379490	16536267	18823383	21869317	25149604	28921970	33260414	38249224	388711916

Or  
Lakhs 3887.12  
Crores 38.87

  
Divisional Forest Officer  
Bellampally







**ABSTRACT FOR RAISING OF NURSERY AND PLANTATION IN C.A. LAND IN TIRYANI AND BELLAMPALLY RAJAPET TALUK, NELLORE DISTRICT, A.P.**

Sl. No.	Item of work	Unit	YEAR WISE REQUIREMENT OF FUNDS																	
			2016-17			2017-18			2018-19			2019-20			2020-21			2021-22		
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount			
	3m x 3m LI method (for Spoil Banking)																			
	ANR method	Ha.																		
12	8th Year maintenance of plantation (Area in Ha.)																			
	3m x 2m SMM method																			
	3m x 3m LI method (for Spoil Banking)																			
	ANR method	Ha.																		
13	9th Year maintenance of plantation (Area in Ha.)																			
	3m x 2m SMM method																			
	3m x 3m LI method (for Spoil Banking)																			
	ANR method	Ha.																		
14	10th Year maintenance of plantation (Area in Ha.)																			
	3m x 2m SMM method																			
	3m x 3m LI method (for Spoil Banking)																			
	ANR method	Ha.																		
15	Development and Improvement and extension of Nursery Infrastructure for CA scheme	Nos				6		11350000												
16	Erection of chainlink mesh fence	Rmt				6000	1000	6000000												
17	Erection of chainlink mesh fence (for Spoil Banking)	Rmt							3000	1000	3000000									
18	Construction of boundary pillars	Nos				300	9200	2760000	300	10580	3174000									
19	Construction of Watch Towers	Nos				2	600000	1200000	2	690000	1380000									
20	Construction of Front line staff Quarters	Nos	1	2000000	2000000	2	2300000	4600000	2	2645000	5290000			2	793500	1587000				
21	Removal of Lantana /Mahaveera	Ha.	100	3488	348754	100	4011	401067	100	4612	461227									
21	Raising of Fodder Plots	Ha.	10	10000	100000	10	11500	115000	10	13225	132250									
	1st Year maintenance	Ha.				10	6000	60000	10	6900	69000			10	7935	79350				
	2nd Year maintenance	Ha.							10	5000	50000			10	5750	57500				
22	Solar Pump sets with Water bodies	Nos	2	1000000	2000000	3	1100000	3300000	3	1200000	3600000									
23	Creation & Maintenance of Fire Lines	Kms				50	5842	292100	50	6718.3	335915			50	7726.04	386302				
24	Providing Antipoaching squad	Nos				1	1185765	1185765	1	1363630	1363630			1	1568174	1568174				
25	Providing Animal Trackers	Nos				6	51750	310500	6	59513	357078			6	68440	410640				
	(50Ha./1 person)																			
	Sub-Total				4561414			60224087			66285901					32606779				
26	Administrative Cost 10%				456141			6022409			6528590					3260678				
	TOTAL:				5017555			66246496			71814491					35867457				



[illegible]



ANGES WHICH FALLS IN BELLAMPALLY FOREST DIVISION

Sl. No.	Item of work	2022-23			2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			Total
		Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	
	3m x 3m LI method (for Spoil Banking) ANR method										33	53964	1780812										1780812
											323.93	48195	15611806										15611806
																							0
12	8th Year maintenance of plantation (Area in Ha.)																						0
	3m x 2m SMM method													0	80102	0							0
	3m x 3m LI method (for Spoil Banking) ANR method										33	62059	2047947										2047947
											323.93	55424	17953496										17953496
																							0
13	9th Year maintenance of plantation (Area in Ha.)																						0
	3m x 2m SMM method																0	92117	0				0
	3m x 3m LI method (for Spoil Banking) ANR method																33	71368	2355144				2355144
																	323.93	63738	20646650				20646650
																							0
																							0
14	10th Year maintenance of plantation (Area in Ha.)																						0
	3m x 2m SMM method																						0
	3m x 3m LI method (for Spoil Banking) ANR method																						2708409
																	323.93	73298	23743421				23743421
																							0
																							11350000
																							6000000
																							3000000
																							5934000
																							4167000
																							11890000
																							1211048
																							347250
																							208350
																							173500
22	Solar Pump sets with Water bodies	50	11750.3	587515																			8900000
23	Creation & Maintenance of Fire Lines																						8471380
24	Providing Antipoaching squad (1 No. with 5 persons & Hired vehicle)	1	2384997	2384997	1	2742746	2742746	1	3154158	3154158	1	3627282	3627282	1	4171375	4171375	1	4797081	4797081	1	5516643	5516643	34389161
25	Providing Animal Trackers (50Ha /1 person)	6	104089	624534	6	119702	718212	6	137657	825942	6	158306	949836	6	182052	1092312	6	208360	1256160	6	240764	1444584	9005106
	Sub-Total			15032970			17112166			19881197			22863276			26292700			30236740			34772022	363374469
				1503297			1711217			1988120			2286328			2629270			3023674			3477202	35337447
26	Administrative Cost 10%			15536267			18823383			21668317			25149604			28921970			33260414			38249224	388711916
	TOTAL:																						

Or  
Lakhs 3887.12  
Crores 38.87

Divisional Forest Officer,  
Bellampally




**UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2016-17**

UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2016-17								
Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
		<b>PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.</b>						
	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	1	Bed	4.32	1	4	
	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	1	Bed	33.26	1	33	
	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	1	Bed	25.45	1	25	
	01.01.06	Cost and transport of 0.025 cum FYM	1	Bed	21.87	1	22	
	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and levelling.	1	Bed	9.45	1	9	
	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	1	Bed	10.80	1	11	
	01.01.09	Soil drenching with 0.1% Carbendazim (10 gm or 10 ml of Carbendazim in 1 lit of water)	1		By Nursery Watcher		0	
	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	1		As per special instruction under FSR		500	
	01.01.11	Seed dressing with Captan or Thiram at 3-5 gm / kg of seeds (the insecticide should be mixed with 250 gm of ash and then this should be thoroughly mixed with seeds to be sown after pretreatment and before sowing)	1		By Nursery Watcher		0	
	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and broadcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	1	Bed	10.75	1	11	
	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	1	Bed/ 2 months	12.10	1	24	
	01.01.14	Kerbing the primary beds all around with Cement Bricks (in permanent nurseries only) , if required. In all such permanent primary beds, no incurring of expenditure for making the primary beds every year is permitted except for cost of fungicides. This item has to be done with prior written approval of DFO	1	Per Bed	As per CSSR		200	
	01.01.15	Cost of chemicals, fungicide and insecticide			As per actuals limited to Rs. 1000/- per 1 lakh seedlings in primary bed stage		20	
	01.01.16	Application of Fungicide and insecticide with power-driven back-pack mechanized sprayer as used in agricultural fields to spray insecticide.	1	By Nursery Watcher			0	
							859	

**UNIT RATE :**

Or **860** Per Bed

**860.00** As per FSR 2016-17  
**989.00** As per FSR 2017-18 (15% Escalation charges added)  
**1137.35** As per FSR 2018-19 (15% Escalation charges added)

  
**Divisional Forest Officer,**  
**Bellampally**



**UNIT COST FOR RAISING OF 50,000 BAG PLANTS NURSERY FOR 2017-18 (size of bag 5"x 9") and Convesion to 8" x 12"**

SL No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.03.	<b>BAG PLANT NURSERY:</b> Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. <u>The seedlings are to be transplanted from primary beds in June - July.</u> Hence the bags are to be filled during April-May when the soil is dry.						
		<b>From July to October for 4 Months</b>						
		<b>Raising of Nursery in Polythene bags</b> in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and <b>arranging in secondary beds</b> (Bed size: 10 X 1 M).						
	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	30	Bed	44.12	1	1324	
		<b>Cost of Polybags</b> (including the cost of certification by ): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.						
	01.03.04	ii) 12.5 cm x 22.5 cm (5" x 9") size bags: 200 g 366 bags / kg	150	Kgs	159.00	1	23850	
		<b>Cost and Transport of ingredients for Potting Mixture:</b> (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.						
		<b>Transportation of soil mixture ingredients</b>						
		a) Distance up to 5 km						
	01.03.06	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	50000	Bags	348.16	1000	17408	
		b) For every extra km beyond 5 km upto 25 km						
	01.03.08	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags ( 15 Kms x 9.07 = 136.05)	50000	Bags	136.05	1000	6803	
		<b>Preparation of Potting Mixture</b> by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.						
	01.03.10	ii) 12.5 cm x 22.5 cm (5" x 9") size bags: 1700 bags / bed	50000	Bags	830.95	10000	4155	
	01.03.11	Allignment of beds including allignment of inspection paths etc	30	Bed	6.59	1	198	
	01.03.12	Pricking out seedlings from primary beds and transplanting into polybags	50000	Bags	122.74	1000	6137	
	01.03.13	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	0	Bags	73.01	1000	0	
		<b>Watering the plants twice a day from July - October</b>						
	01.03.14	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe <b>for 4 Months</b>	30	Bed / 4 months	238.19	1	28583	
	01.03.15	b) Mechanically with sprinkler sets fitted all along the beds at a height of 75-100 cm height.	0	Bed / month	66.2	1	0.00	
		<b>Weeding the plants from July to October (3 times)</b>						
	01.03.16	1 <sup>st</sup> weeding - July	30	Bed / weeding	43.74	1	1312	
	01.03.17	2 <sup>nd</sup> weeding - Aug	30	Bed / weeding	43.74	1	1312	
	01.03.18	3 <sup>rd</sup> weeding - Sept	30	Bed / weeding	43.74	1	1312	
		<b>Shifting, Grading and rearranging in beds</b> of 10x1 m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags)						
	01.03.19	<b>One Grading in Sept.</b>	30	Bed / shifting	204.28	1	6128	
	01.03.20	<b>Replacement of casualties</b> after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	3	Bed	58.00	1	174	
	01.03.21	<b>Cost of foliar nutrient formulations</b> like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.			1000	



Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.03.22	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	By Nursery Watcher				0.00	
	01.03.23	Weeding in the space between the beds, inspection path and surroundings of Nursery	30	Bed	29.81	1	894	
	Page No. VIII of FSR 2016-17	Nursery Watcher from April to October for 7 Months	7	Month	5820	1	40740	
		<b>Sub total</b>					<b>141330</b>	
		<b>CONVERSION of RT plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during November - December. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).</b>						
		<b>From November to March for 5 Months</b>						
		<b>Cost and Transport of ingredients for Potting Mixture:</b> Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.						
		<b>Transportation of soil mixture ingredients</b>						
		<b>a) Distance up to 5 km</b>						
	01.03.24	i) RT plants to 6"x12" polybags		1000	494.29			
	01.03.25	ii) RT plants to 8"x12" polybags		1000	1013.45			
	01.03.26	iii) 4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)		1000	494.29			
	01.03.27	iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum)		1000	1013.45			
	01.03.28	v) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	50000	Nos	864.05	1000	43203	
		<b>b) For every extra km beyond 5 km upto 25 km</b>						
	01.03.29	i) RT plants to 6"x12" polybags		Nos/Km	12.88	1000 No. / km		
	01.03.30	ii) RT plants to 8"x12" polybags		Nos/Km	26.41	1000 No. / km		
	01.03.31	iii) 4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)		Nos/Km	12.88	1000 No. / km		
	01.03.32	iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum)		Nos/Km	26.41	1000 No. / km		
	01.03.33	v) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum) ( 15 Km x 21.87 = 328.05 )	50000	Nos/Km	328.05	1000	16403	
		<b>Preparation of Potting Mixture</b> by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size: 800 bag plants per bed)						
	01.03.34	i) RT plants to 6"x12" polybags		1000	870.78			
	01.03.35	ii) RT plants to 8"x12" polybags		1000	1785.38			
	01.03.36	iii) 4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)		1000	870.78			
	01.03.37	iv) 4" x 7" to 8" x 12" polybags (3.82 - 0.56 = 3.26 cum)		1000	1785.38			
	01.03.38	v) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	50000	Nos	1478.68	1000	73934	
		<b>Conversion into 10" x 16" bags for only SF Divisions is permitted</b> (No. to be finalized with due approval from Circle Head) to make tall plants of at least 2 m height (excluding the height of bags). The transplanted seedlings at the time of conversion to 10" x 16" bags shall be at least 75 cm height (excluding the height of bags).						
		<b>Cost and Transport of ingredients for Potting Mixture:</b> Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.						
	01.03.39	i) 6" x 12" to 10" x 16" polybags (8.35 - 2.15 = 6.20)		1000	2589.74		0	
	01.03.40	ii) 8" x 12" to 10" x 16" polybags (8.35 - 3.82 = 4.53)		1000	1892.18		0	



Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
		<b>Preparation of Potting Mixture</b> by powdering of various ingredients, sieving and mixing them in prescribed proportion; <b>opening of bags</b> and filling with potting mixture partially, <b>tearing the polybag plants and repotting them inside bigger bags</b> and filling the rest of bags; gently pressing the same with finger tips and <b>arranging</b> in beds of 10x1 m size					
	01.03.41	i) 6" x 12" to 10" x 16" polybags (8.35 - 2.15 = 6.20)	1000	3395.48		0	
	01.03.42	ii) 8" x 12" to 10" x 16" polybags (8.35 - 3.82 = 4.53)	1000	2480.89		0	
	01.03.43	Stakes to be provided to plants to tall Plants in 10"x16" bags	1000	2160		0	
		<b>Weeding the plants</b> (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings					
	01.03.44	1 <sup>st</sup> weeding - December	63	Bed / weeding	43.74	1	2756
	01.03.45	2 <sup>nd</sup> weeding - February	63	Bed / weeding	43.74	1	2756
	01.03.46	<b>Shifting, Grading and rearranging in secondary beds</b> - One Grading in February	63	Bed / weeding	204.28	1	12870
		<b>Watering</b> the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
	01.03.47	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe <b>for 5 months</b>	63	Bed / 5 months	238.19	1	75030
	01.03.48	b) Mechanically with sprinkler sets fitted all along the beds at a height of 75-100 cm height.	0	Per bed / month	66.20	1	0
	01.03.49	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from Dec - March) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)		By Nursery Watcher		0	
	01.03.50	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from Dec - March)		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.		1000	
	Page No.VIII of FSR 2016-17	Nursery Watcher from November to March for 5 Months	5	Month	5820	1	29100
	01.03.51	<b>Contingencies for Raising Year</b> towards the expenditure like cost of hose pipe, nursery boards, electricty charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.		As per actuals, subject to max. of 5 % of estimate in raising year		19618	
		<b>Sub total</b>				276670	
		<b>Gran total</b>				418000	

Per 50000 Bags or 418000

#### UNIT RATE :

418000.00 As per FSR 2016-17

480700.00 As per FSR 2017-18 (15% Escalation charges added)

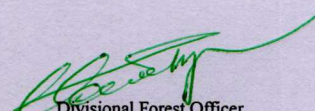
552805.00 As per FSR 2018-19 (15% Escalation charges added)

#### OR

8.36 Per Plant - 2016-17

9.61 Per Plant - 2017-18

11.06 Per Plant - 2018-19

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2018-19 (size of bag 8"x12")**

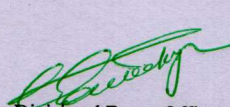
Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.04.	<b>MAINTAINANCE YEAR OF NURSERY</b>						
		<b>MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X 9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)</b>						
		<b>Watering</b> polybag secondary beds twice a day for 4 months						
	01.04.01	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe ( From April to July for 4 months)	63	Bed / 4 months	238.19	1	60024	
	01.04.02	b) Mechanically with sprinkler sets fitted all along the beds at a height of 75-100 cm height.	0	Bed / month	66.2	1	0	
	01.04.03	<b>Weeding</b> once during maintenance year	63	Bed / weeding	43.74	1	2756	
	01.04.04	<b>Shifting, grading and re-arranging</b> in beds for 10 m X 1 m size bed max. two shifts (one in April and another in June)	63	Bed / 2 times shifting	215.68	1	27176	
	01.04.05	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively. Similarly, application of multiplex or NPK 19:19:19 (1 teaspoon in 1 lit water) - once in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	63	By Nursery Watcher			0	
	01.04.06	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	63	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings			1000	
		<b>Cowdung Slurry application</b> (One can apply chemical foliar spray or apply cowdung slurry - not both)						
	01.04.07	<b>Preparation</b> of cowdung slurry -	63	per 100 beds	As per actual subject to maximum of Rs. 1500/-		945	
	01.04.08	<b>Application</b> of cowdung slurry - only once between April to June - Watering should not be done 12 hours before and after application of cowdung slurry treatment.	50000	Nos	178.79	1000	8940	
	01.04.09	<b>Weeding</b> in the space between the beds, inspection path and surroundings of Nursery	63	Beds	24.03	1	1514	
	01.04.10	<b>Contingencies for Maint. Year</b> towards the expenditure like cost of hose pipe, nursery boards, electricity charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.		As per actuals, subject to max. of 5 % of estimate in Maint. Year.			6365	
	Page No. VIII of FSR 2016-17	Nursery Watcher from April to July for 4 Months	4	Month	5820	1	23280	
							<b>132000</b>	

Per 50000 Bags or **132000**

**UNIT RATE :**

<b>132000.00</b>	As per FSR 2016-17
<b>151800.00</b>	As per FSR 2017-18 (15% Escalation charges added)
<b>174570.00</b>	As per FSR 2018-19 (15% Escalation charges added)
<b>200755.50</b>	As per FSR 2019-20 (15% Escalation charges added)

<b>2.64</b>	<b>Per plant 2016-17</b>
<b>3.04</b>	<b>Per plant 2017-18</b>
<b>3.49</b>	<b>Per plant 2018-19</b>
<b>4.02</b>	<b>Per plant 2019-20</b>

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR ADVANCE OPERATIONS FOR CA SCHEME  
UNDER LABOUR INTENSIVE METHOD ( 3m x 3m )**

Sl. No.	FSR Item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.01.01	Survey with GPS (Only staff to carry out)	1	311.04	1	311	
	02.01.02	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.					
2	02.01.02	Sparse Jungle Growth (< 10% ground area covered with Jungle growth)	1	1728.81	1	1729	
3	02.01.07	Alignment and staking including laying base line for Misc species with espacement iii) 3X3 m espacement = 1111 planting points	1,111	74.20	100	824	
5	02.01.09	Cost of 0.45 M Stake preparation and transportation to site.	1,111	47.30	100	526	
6	02.01.11	Digging of 45 cm. cube pits in ordinary Soils	1,111	18.75	1	20831	
7		Miscellaneous				0	
		<b>SUB-TOTAL</b>				<b>24221</b>	

Or **24220.00**

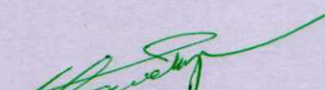
**UNIT RATE :**

**24220.00** As per FSR 2016-17

**27853.00** As per FSR 2017-18 (15% Escalation charges added)

**OR**

**27853.00** Per Ha.

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR RAISING OF C.A. PLANTATION UNDER  
LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.02.02	Transport of bag plants from nursery site to plantation site including loading and unloading upto 5 Km lead -6 X 12 Bag Size	1,111	96.79	100	1075	
2	02.02.05	Beyond 5 kms to 10 Kms for addl 5 Km (5 x 3.38 = 16.90)	1,111	16.90	100	188	
3	02.02.11	Internal transport of bag plants to planting points on head loads.	1,111	76.25	100	847	
4	02.02.16	Planting bag plants 45cmX45cmX45 cm pits	1,111	363.37	100	4037	
	02.02.17	Replacement of Casualties 20% during Raising (1111 x 20% = 222)					
5	02.02.02	a) Transportation of seedlings upto 5Km	222	96.79	100	215	
6	02.02.05	b) Transportation of seedlings beyond 5Km to 25Km (20Km x 3.7 = 74.00)	222	16.90	100	38	
7	02.02.11	c) Internal Transportation	222	76.25	100	169	
8	02.01.11	d) Pitting 50% of orginal pitting x Rs.18.75/2 = 9.37	222	9.37	1	2080	
9	02.02.16	e) Planting	222	363.37	100	807	
10	02.02.14	Cost of Chemical fertilisers (50grm SSP for basal dressing, for 45 cm <sup>3</sup> pits).		As per actuals		600	
11	02.02.13	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	1111	32.62	100	362	
12	02.02.20	Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
13	02.02.22	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 at around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in ordinary soils.	1,111	363.37	100	4037	
14	02.02.18	Cost of DAP @ 25 gm / planting point	1,111	As per actuals		670	
15	02.02.19	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	1111	32.62	100	362	
16	02.02.39	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	9	750.00	1	6750	
17	02.02.26	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	1111	103.19	100	1146	



Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
18	02.01.05	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction ). All stumps to be cut to ground level. This operation is applicable for plantations other than Semi- Mechanical Plantation.	150	5.08	1	762	
19	02.19.38	Miscellaneous expenditure like implements, plantation boards, display boards etc.,	10% of the estimate cost during Raising year			2454	
		<b>TOTAL:</b>				<b>27752</b>	

27000.00 AS per FSR 2016-17

or 27000

31050.00 As per FSR 2017-18 (15% Escalation charges added)

35707.50 As per FSR 2018-19 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 1st YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.03.01	Replacement of Casualties 25% during Raising (1111 x 25% = 278)					
2	02.02.02	a) Transportation of seedlings upto 5Km	278	96.79	100	269	
3	02.02.05	b) Transportation of seedlings beyand 5Km to 25Km (20Km x 3.7 = 74.00)	278	16.90	100	47	
4	02.02.11	c) Internal Transportation	278	76.25	100	212	
5	02.01.11	d) Pitting	278	18.75	1	5213	
6	02.02.16	e) Planting	278	363.37	100	1010	
7	02.03.02	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
8	02.03.03	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
9	02.02.22	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
10	02.02.39	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
11	02.02.26	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	103.19	100	1146	
		<b>TOTAL:</b>				<b>23240</b>	

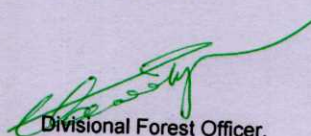
23240.00 AS per FSR 2016-17

26726.00 As per FSR 2017-18 (15% Escalation charges added)

30734.90 As per FSR 2018-19 (15% Escalation charges added)

35345.14 As per FSR 2019-20 (15% Escalation charges added)

or 23240

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 2ND YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
**26829.75** As per FSR 2020-21 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 3RD YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
**30854.21** As per FSR 2021-22 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 4TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
**35482.34** As per FSR 2022-23 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 5TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
**35482.34** As per FSR 2023-24 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 6TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
35482.34 As per FSR 2022-23 (15% Escalation charges added)  
40804.69 As per FSR 2023-24 (15% Escalation charges added)  
**46925.39** As per FSR 2024-25 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 7TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
35482.34 As per FSR 2022-23 (15% Escalation charges added)  
40804.69 As per FSR 2023-24 (15% Escalation charges added)  
46925.39 As per FSR 2024-25 (15% Escalation charges added)  
**53964.20** As per FSR 2025-26 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 8TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
35482.34 As per FSR 2022-23 (15% Escalation charges added)  
40804.69 As per FSR 2023-24 (15% Escalation charges added)  
46925.39 As per FSR 2024-25 (15% Escalation charges added)  
53964.20 As per FSR 2025-26 (15% Escalation charges added)  
**62058.83** As per FSR 2026-27 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally

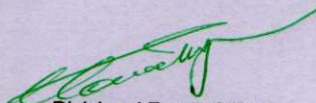


**UNIT COST FOR 9TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR Item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
35482.34 As per FSR 2022-23 (15% Escalation charges added)  
40804.69 As per FSR 2023-24 (15% Escalation charges added)  
46925.39 As per FSR 2024-25 (15% Escalation charges added)  
53964.20 As per FSR 2025-26 (15% Escalation charges added)  
62058.83 As per FSR 2026-27 (15% Escalation charges added)  
71367.65 As per FSR 2027-28 (15% Escalation charges added)

  
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**UNIT COST FOR 10TH YEAR MAINTANENCE OF C.A. PLANTATION  
UNDER LABOUR INTENSIVE METHOD 3mx3m**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
1	02.04.01	1st Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth July / Aug	1,111	103.79	100	1153.11	
2	02.04.02	2nd Circular weeding to a radius of 0.5 Mtr by uprooting the weed growth Sept / Oct	1,111	103.79	100	1153.11	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)	1,111	363.37	100	4037	
4	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal.	12	750.00	1	9000	
		<b>TOTAL:</b>				<b>15343</b>	

or 15340

15340.00 AS per FSR 2016-17  
17641.00 As per FSR 2017-18 (15% Escalation charges added)  
20287.15 As per FSR 2018-19 (15% Escalation charges added)  
23330.22 As per FSR 2019-20 (15% Escalation charges added)  
26829.75 As per FSR 2020-21 (15% Escalation charges added)  
30854.21 As per FSR 2021-22 (15% Escalation charges added)  
35482.34 As per FSR 2022-23 (15% Escalation charges added)  
40804.69 As per FSR 2023-24 (15% Escalation charges added)  
46925.39 As per FSR 2024-25 (15% Escalation charges added)  
53964.20 As per FSR 2025-26 (15% Escalation charges added)  
62058.83 As per FSR 2026-27 (15% Escalation charges added)  
71367.65 As per FSR 2027-28 (15% Escalation charges added)  
**82072.80** As per FSR 2028-29 (15% Escalation charges added)

  
Divisional Forest Officer,  
Bellampally



# ESTIMATE FOR FORMATION OF PERCOLATION TANKS IN C.A. PLANTATION AREAS

Sl. No.		Nature of work	Quantity	Rate	Unit	Amount	Remarks
1		Construction of Percolation tanks					
		a) Major PTs	0	500000	P. No	0	
		b) Medium PTs	1	100000	P. No	100000	
		c) Mini PTs	0	50000	P. No	0	
		<b>TOTAL:</b>				<b>100000</b>	

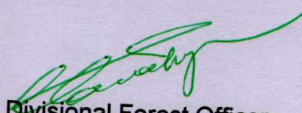
100000

115000 As per SSR 2017-18 (15% Escalation charges added)

132250 As per SSR 2018-19 (15% Escalation charges added)

152088 As per SSR 2019-20 (15% Escalation charges added)

132250

  
Divisional Forest Officer  
Bellampally



**UNIT COST ERRECTION CHAIN LINK MESH FENCE AROUND THE C.A. PLANTATION AREA**

Sl. No.	FSR Item No.	Nature of work	Quantity	Rate	Unit	Amount	Remarks
1		Errection chainlink mesh fence around the CA area	3000	1000	Per Rmt.	3000000	
			<b>TOTAL:</b>			<b>3000000</b>	

3000000

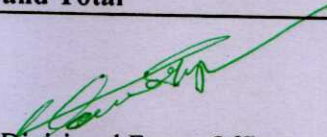
3450000 (15% Escalation charges added)for 2016-17  
 3967500 (15% Escalation charges added)for 2017-18  
 4562625 (15% Escalation charges added)for 2018-19

  
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**Development and improvement and extention of Nursery infrastructure for CA scheme**

Sl. No	Range	Location of nursery	Item of work	Amount required
1	Bellampally	Rebbena	Borewell & Motor	0.00
			Over head tanks 1 Nos.	4.00
			Central water system	8.00
			Seed storage room	5.00
				<b>17.00</b>
2	Bellampally	Bellampally	Borewell & Motor	0.00
			Over head tanks 1 Nos.	4.00
			Central water system	4.50
			Seed storage room	5.00
			Barbed wire fencing	5.00
				<b>18.50</b>
3	Kushnepally	Rangapet	Barbed wire fencing with Gate	3.00
			Electrification	3.00
			Central water system	10.00
			RCC Over head tanks 1 Nos.	6.00
			Motor	1.00
			Seed storage room	5.00
				<b>28.00</b>
4	Kushnepally	Nennel	Motor	1.00
			RCC Over head tanks 1 Nos.	5.00
			Central water system	1.50
			Seed storage room	3.50
			Barbed wire fencing with Gate	5.00
				<b>16.00</b>
5	Kushnepally	Vemanpally	Borewell & Motor	1.00
			Over head tanks 1 Nos.	5.00
			Central water system	1.00
			Seed storage room	3.00
			Barbed wire fencing	3.00
				<b>13.00</b>
6	Asifabad	Asifabad	Borewell & Motor	1.00
			RCC Over head tanks 1 Nos.	6.00
			Central water system	5.00
			Seed storage room	4.00
			Barbed wire fencing	5.00
				<b>21.00</b>
			<b>Grand Total</b>	<b>113.50</b>

  
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### CONSTRUCTION OF BOUNDARY PILLARS

	As per SSR cost of 1 Pillar during 2016-17 (15% escalation)	8000
	As per SSR cost of 1 Pillar during 2017-18 (15% escalation)	9200
	As per SSR cost of 1 Pillar during 2018-19 (15% escalation)	10580
	As per SSR cost of 1 Pillar during 2019-20 (15% escalation)	12167

### REMOVING OF LANTANA / MAHAVEERA

	As per FSR cost per 1 Ha. during 2016-17	3032.64
	As per FSR cost of 1 Pillar during 2017-18 (15% escalation)	3487.54
	As per FSR cost of 1 Pillar during 2018-19 (15% escalation)	4010.67
	As per FSR cost of 1 Pillar during 2019-20 (15% escalation)	4612.27

### Preferential Treatment to improve the Natural Regeneration

1	Coppicing	As per FSR cost per 1 Ha. during 2014-15	1039
2	Tending	As per FSR cost per 1 Ha. during 2014-15	1694
3	Semilunor Trenches	As per FSR cost per 1 Ha. during 2014-15	18475
		<b>Cost per 1 Ha. :</b>	<b>21208</b>

21200

OR 21200

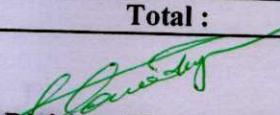
24380 (15% Escalation charges added)for 2015-16  
28037 (15% Escalation charges added)for 2016-17  
32243 (15% Escalation charges added)for 2017-18

### Antipoaching Squad during 2016-17

1	Wages to watchers 5 Nos @ Rs.7585 per head per month 5x7585=61925x12m=743100/-	743100
2	Hiring Private vehicle 1 No @ Rs.24000/- per month 24000x12m=288000/-	288000
	<b>Total for 2016-17 :</b>	<b>1031100</b>
	As per FSR cost of 1 Pillar during 2017-18 (15% escalation)	1185765
	As per FSR cost of 1 Pillar during 2018-19 (15% escalation)	1363630
	As per FSR cost of 1 Pillar during 2019-20 (15% escalation)	1568174
	As per FSR cost of 1 Pillar during 2020-21 (15% escalation)	1803400
	As per FSR cost of 1 Pillar during 2021-22 (15% escalation)	2073910
	As per FSR cost of 1 Pillar during 2022-23 (15% escalation)	2384997
	As per FSR cost of 1 Pillar during 2023-24 (15% escalation)	2742746
	As per FSR cost of 1 Pillar during 2024-25 (15% escalation)	3154158
	As per FSR cost of 1 Pillar during 2025-26 (15% escalation)	3627282
	As per FSR cost of 1 Pillar during 2026-27 (15% escalation)	4171375
	As per FSR cost of 1 Pillar during 2027-28 (15% escalation)	4797081
	As per FSR cost of 1 Pillar during 2028-29 (15% escalation)	5516643

### Animal Trackers

1	Wages to Animal Trackers 6 Nos @ Rs.6700 per head per month (6x6700=40200x12m=482400 /-)	482400
	<b>Total :</b>	<b>482400</b>

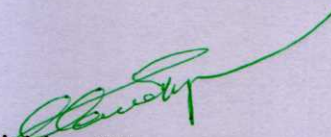
  
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CREATION OF FIRE LINES		
	As per FSR cost per 1 Ha. during 2016-17	5080
	As per FSR cost of 1 Pillar during 2017-18 (15% escalation)	5842
	As per FSR cost of 1 Pillar during 2018-19 (15% escalation)	6718.3
	As per FSR cost of 1 Pillar during 2019-20 (15% escalation)	7726.05
	As per FSR cost of 1 Pillar during 2020-21 (15% escalation)	8884.95
	As per FSR cost of 1 Pillar during 2021-22 (15% escalation)	10217.7
	As per FSR cost of 1 Pillar during 2022-23 (15% escalation)	11750.3
	As per FSR cost of 1 Pillar during 2023-24 (15% escalation)	13512.9
	As per FSR cost of 1 Pillar during 2024-25 (15% escalation)	15539.8
	As per FSR cost of 1 Pillar during 2025-26 (15% escalation)	17870.8
	As per FSR cost of 1 Pillar during 2026-27 (15% escalation)	20551.4
	As per FSR cost of 1 Pillar during 2027-28 (15% escalation)	23634.1
	As per FSR cost of 1 Pillar during 2028-29 (15% escalation)	27179.3

**ANIMAL TRACKERS (50 Ha. / Person = 6 Nos)**  
**(Rs.7500 / month / Person)**

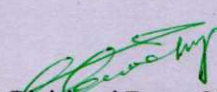
	As per FSR cost per 1 Ha. during 2016-17	45000
	As per FSR cost of 1 Pillar during 2017-18 (15% escalation)	51750
	As per FSR cost of 1 Pillar during 2018-19 (15% escalation)	59513
	As per FSR cost of 1 Pillar during 2019-20 (15% escalation)	68440
	As per FSR cost of 1 Pillar during 2020-21 (15% escalation)	78706
	As per FSR cost of 1 Pillar during 2021-22 (15% escalation)	90512
	As per FSR cost of 1 Pillar during 2022-23 (15% escalation)	104089
	As per FSR cost of 1 Pillar during 2023-24 (15% escalation)	119702
	As per FSR cost of 1 Pillar during 2024-25 (15% escalation)	137657
	As per FSR cost of 1 Pillar during 2025-26 (15% escalation)	158306
	As per FSR cost of 1 Pillar during 2026-27 (15% escalation)	182052
	As per FSR cost of 1 Pillar during 2027-28 (15% escalation)	209360
	As per FSR cost of 1 Pillar during 2028-29 (15% escalation)	240764

  
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**Bellampally**



**The CA area proposed to be raised under various models as per the site conditions and Requirement of seedlings for CA scheme**

Sl. No	Range	CA land village area	Area proposed in Ha	Model wise area to be afforested			
				SMM ( 3m x 2m)	L I ( 3m x 2m)	ANR	Total
1	Bejjur	Laodpally	70.907	20	10	40.907	70.907
2	Sirpur	Bhoopalpatnam	174.223	80	94.223	0	174.223
			<b>245.13</b>	<b>100</b>	<b>104.223</b>	<b>40.907</b>	<b>245.13</b>
Requirement of seedlings for the above area for CA scheme							
Sl. No	Range	CA land village area	Area proposed in Ha	SMM ( 3m x 2m) ( 2000 Per Ha)	L I ( 3m x 2m) ( 2000 Per Ha)	ANR ( @ 480)	Total
1	Bejjur	Raising year	70.907	40000	20000	19635	79635
2	Sirpur		174.223	160000	188446	0	348446
			<b>245.13</b>	<b>200000</b>	<b>208446</b>	<b>19635</b>	<b>428081</b>
		Inclusive 10 %		<b>220000</b>	<b>229291</b>	<b>21599</b>	<b>470889</b>
1	Bejjur	Replancement for 1st year	70.907	8320	4160	4091	16571
2	Sirpur		174.223	33280	39197	0	72477
			<b>245.13</b>	<b>41600</b>	<b>43357</b>	<b>4091</b>	<b>89048</b>
		Inclusive 10 %		<b>45760</b>	<b>47693</b>	<b>4500</b>	<b>97953</b>
		<b>Grand Total</b>		<b>265760</b>	<b>276984</b>	<b>26099</b>	<b>568842</b>

  
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**UNIT COST FOR ADVANCE OPERATIONS FOR CA SCHEME FOR 2017-18 UNDER ANR METHOD-  
( 400 plants per Ha)**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit		Amount
1	02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	311.04	1	Plantation	311
		Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Sorni, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. All the above operations should be completed before December.					
2	02.01.03	Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)	0.50	2598.59	1	Ha	1299
3	02.01.04	Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.50	5207.65	1	Ha	2604
4	02.01.05	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction ). All stumps to be cut to ground level. This operation is applicable for plantations other than Semi- Mechanical Plantat	150.00	5.08	1	Rmt	762
5	02.01.08	Alignment and staking including laying base line for ii) 5X5 m espacement = 400planting points	400	98.77	100	Nos	395
6	02.01.09	Cost of preparation of stakes (0.45 m length) and transportation to site	400	47.30	100	Nos	189
7	02.01.11	Digging of Pits - Manual (As per RSSR): All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of casualties.	400	18.75	1	Pit	7500
8		Misc expenditure					202
		<b>SUB-TOTAL</b>					<b>13262</b>

OR **13300**

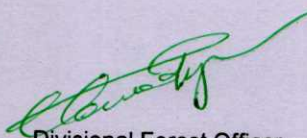
UNIT RATE :

**13300.00 As per FSR 2016-17**

**15295.00 As per FSR 2017-18 (15% Escalation charges added)**

OR

**15295.00 Per Ha.**

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR RAISING OF C.A. PLANTATION FOR 2018-19 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
		<b>PLANTATION</b>					
	II	<b>RAISING OF BLOCK PLANTATIONS</b>					
	02.01.	<b>LABOUR INTENSIVE METHOD (LI METHOD)</b>					
	02.02.	<b>PLANTING OPERATIONS DURING RAISING YEAR</b>					
		Transportation of Planting Stock (including loading and unloading)					
		From nursery to plantation site - upto 5 Km lead					
4	02.02.02	15 X 30 cm (6"X12") bag plants	No.	400	96.79	100	387
		From nursery to plantation site - Beyond 5 Km lead					
		i) For every extra km beyond 5 km upto 20 km					
5	02.02.05	15 X 30 cm (6"X12") bag plants (15 x 3.38=50.70)	No.	400	50.70	100	203
		Internal transportation to planting points on head loads		400			
6	02.02.11	15 X 30 cm (6"X12") bag plants	No.	400	76.25	100	305
		<b>PLANTING:</b> Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)					
7	02.02.13	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water)	No.	400	32.62	100	130
8	02.02.14	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (50 g x 400 / 1000 /50 =0.40 Bags)	Bag	0.40	500	1	200
9	02.02.16	Planting ii) 45 cm <sup>3</sup>	No.	400	363.366	100	1453
		<b>Replacement of Casualties</b>					
	02.02.17	Replacement of Casualties: 20% during Raising Year . The casualty replacement should be done in 3 stages at an intervals of 15 days immediately after planting during raising year. 50% of unit rate of original pitting during raising year. Planting, trans					
10		a) Pitting (50% of Original Rate 14.98 x 50% = 7.49)	Each	80	7.49	1	599
11		b) Transportation of Seedlings- up to 5Kms	No.	80	96.79	100	77
12		- 5 to 20Kms	No.	80	50.70	100	41
13		c) Internal transportation	No.	80	76.25	100	61
14		d) Planting	No.	80	363.366	100	291
		Application of Fertilizers					
15	02.02.18	Cost of DAP @ 25 gm / planting point ( 400 * 25 /1000/ 50 = 0.200)	Bag	0.200	1400	1	280
16	02.02.19	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application	No.	400	32.62	100	130
		<b>WEEDING &amp; SOIL WORKING</b>					
17	02.02.20	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	No.	400	103.79	100	415
	02.02.21	b) 2nd circular weeding to a radius of 0.50 m around the plant after 90 days of planting (i.e. Sep - Oct)	No.	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)					
18	02.02.22	i) For ordinary soil	No.	400	363.37	100	1453
		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	02.02.25	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	Ha	1	1215.43	1	1215
	02.02.25	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	Ha	1	1215.43	1	1215



SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.02.26	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	No.	400	103.79	100	415
	02.02.28	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during October and March) and entered in Plantation Journal. With so much inputs like nutrition, augmentation o	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
19	02.02.29	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 90% survival at the end of raising year. (July to March) ( 7500/ 10 Ha = 750 per Ha)	Month	9	750	1	6750
20		Preparation and fixing of plantation board of standered size 6'x3' with iron Angulars, guage 6 mm (Errected on 65 mm x 65 mm x 6 mm for length of 3.00 m) including construction of CC Boddu		1	A/A		365
						<b>Total</b>	<b>16400</b>

16400.00 As per FSR 2016-17

18860.00 As per FSR 2017-18 (15% Escalation charges added)

21689.00 As per FSR 2018-19 (15% Escalation charges added)

21689 Per Ha.

or 16400.00

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 1st YEAR MAINTENANCE OF C.A. PLANTATION FOR 2019-20 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

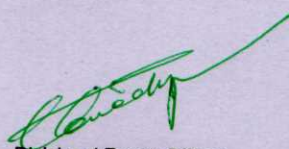
SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (In Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.10.	<b>1<sup>ST</sup> YEAR MAINTAINANCE</b>					
	02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July. ( 400 @ 25% = 100 Nos)					
1	02.01.15	a) Pitting ( Original Rate 14.98 )	No	100	14.98	1	1498
2	02.02.02	b) Transportation of Seedlings- up to 5Kms	No	100	96.79	100	97
3	02.02.05	- 5 to 20 Kms (15 Km x 3.38)	No	100	50.70	100	51
4	02.02.11	c) Internal transportation	No	100	76.25	100	76
5	02.02.16	d) Planting	No	100	363.366	100	363
		<b>WEEDING &amp; SOIL WORKING (To be carried out after replacement of casualties are over)</b>					
6	02.03.02	a) 1 <sup>st</sup> Circular weeding to a radius of 0.50 m around the plant during July - Aug	100	400	103.79	100	415
7	02.03.03	b) 2 <sup>nd</sup> Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	100	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)					
8	02.03.04	i) For ordinary soil	100	400	363.366	100	1453
		<del>Cutting of coppice growth</del> must to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
9	02.03.07	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	1	1215.43	1	1215
10	02.03.07	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	ha	1	1215.43	1	1215
12	02.03.08	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	100 Nos	400	103.194	100	413
	02.03.09	Enumeration of row-wise survival and average growth thrice in 1 <sup>st</sup> Maintanance year - Number of plants planted and number surviving (to be undertaken during June, Oct. and Jan.) to be ascertained and entered in Plantation Journal. With so much inputs lik	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	02.03.10	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival during 1st year maintainance period. ( 7500/ 10 Ha =750 per Ha)	Month	12	750	1	9000
13							
					<b>Total</b>		<b>16211</b>

**UNIT RATE :**

16200.00 As per FSR 2016-17  
 18630.00 As per FSR 2017-18 (15% Escalation charges added)  
 21424.50 As per FSR 2018-19 (15% Escalation charges added)  
 24638.18 As per FSR 2019-20 (15% Escalation charges added)

OR 24638 Per Ha.

or 16200.00 per Ha

  
 Divisional Forest Officer,  
 Bellampally



**UNIT COST FOR 2nd YEAR MAINTENANCE OF C.A. PLANTATION FOR 2020-21 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	<b>02.04.</b>	<b>SECOND YEAR MAINTAINANCE</b>					
		<b>WEEDING &amp; SOIL WORKING</b>					
	<b>02.04.01</b>	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	<b>02.04.02</b>	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	<b>02.04.03</b>	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.07</b>	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	<b>02.04.08</b>	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13713</b>

UNIT RATE :

or **13700.00** per Ha

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)

OR 23961 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



**UNIT COST FOR 3rd YEAR MAINTENANCE OF C.A. PLANTATION FOR 2021-22 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

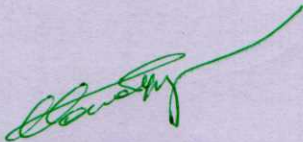
SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	<b>02.04.</b>						
		<b>WEEDING &amp; SOIL WORKING</b>					
	<b>02.04.01</b>	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	<b>02.04.02</b>	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	<b>02.04.03</b>	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.07</b>	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	<b>02.04.08</b>	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

UNIT RATE :

or 13700.00 per Ha

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)  
 27555.60 As per FSR 2021-22 (15% Escalation charges added)

OR 27556 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



UNIT COST FOR 4th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2022-23 UNDER ANR METHOD (LI) ( 400 plants per Ha)

Sl No	Item No.	Schedule of operations with Specification					1
	2	3	4	5	6	7	8
		Unit	Qty	Rate (in Rs)	Per	Amount	
	02.04.						
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	02.04.03	i) For ordinary soil	No	400	363.37	100	1453
		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations, deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha. and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						Total	13714
							13700.00
							or
							per Ha

UNIT RATE :

JO

13700.00

per Ha

OR 31689 Per Ha.

As per FSR 2016-17	13700.00
As per FSR 2017-18 (15% Escalation charges added)	15755.00
As per FSR 2018-19 (15% Escalation charges added)	18118.25
As per FSR 2019-20 (15% Escalation charges added)	20835.99
As per FSR 2020-21 (15% Escalation charges added)	23961.39
As per FSR 2021-22 (15% Escalation charges added)	27555.60
As per FSR 2022-23 (15% Escalation charges added)	31688.94

Divisional Forest Officer,  
Bellampally

*[Handwritten signature]*



**UNIT COST FOR 5<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2023-24 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.						
		<b>WEEDING &amp; SOIL WORKING</b>					
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	02.04.03	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

UNIT RATE :

or 13700.00 per Ha

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)  
 27555.60 As per FSR 2021-22 (15% Escalation charges added)  
 31688.94 As per FSR 2022-23 (15% Escalation charges added)  
 36442.28 As per FSR 2023-24 (15% Escalation charges added)

OR 36442 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



**UNIT COST FOR 6 th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2024-25 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.						
		<b>WEEDING &amp; SOIL WORKING</b>					
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	02.04.03	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

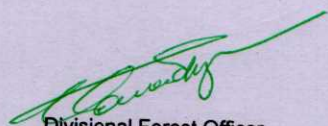
UNIT RATE :

or 13700.00

per Ha

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)  
 27555.60 As per FSR 2021-22 (15% Escalation charges added)  
 31688.94 As per FSR 2022-23 (15% Escalation charges added)  
 36442.28 As per FSR 2023-24 (15% Escalation charges added)  
 41908.62 As per FSR 2024-25 (15% Escalation charges added)

OR 41909 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



**UNIT COST FOR 7<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2025-26 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

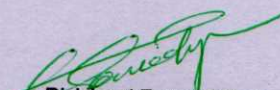
Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (In Rs)	Per	Amount
1	2	3	4	5	6	7	8
	<b>02.04.</b>						
		<b>WEEDING &amp; SOIL WORKING</b>					
	<b>02.04.01</b>	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	<b>02.04.02</b>	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	<b>02.04.03</b>	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.07</b>	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	<b>02.04.08</b>	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

UNIT RATE :

or 13700.00 per Ha

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)  
 27555.60 As per FSR 2021-22 (15% Escalation charges added)  
 31688.94 As per FSR 2022-23 (15% Escalation charges added)  
 36442.28 As per FSR 2023-24 (15% Escalation charges added)  
 41908.62 As per FSR 2024-25 (15% Escalation charges added)  
 48194.91 As per FSR 2025-26 (15% Escalation charges added)

OR 48195 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



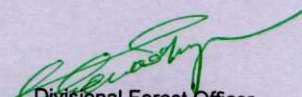
**UNIT COST FOR 8 th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2026-27 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.						
		<b>WEEDING &amp; SOIL WORKING</b>					
	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	02.04.03	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	02.04.07	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>
						or 13700.00	per Ha

UNIT RATE :

13700.00 As per FSR 2016-17  
 15755.00 As per FSR 2017-18 (15% Escalation charges added)  
 18118.25 As per FSR 2018-19 (15% Escalation charges added)  
 20835.99 As per FSR 2019-20 (15% Escalation charges added)  
 23961.39 As per FSR 2020-21 (15% Escalation charges added)  
 27555.60 As per FSR 2021-22 (15% Escalation charges added)  
 31688.94 As per FSR 2022-23 (15% Escalation charges added)  
 36442.28 As per FSR 2023-24 (15% Escalation charges added)  
 41908.62 As per FSR 2024-25 (15% Escalation charges added)  
 48194.91 As per FSR 2025-26 (15% Escalation charges added)  
 55424.15 As per FSR 2026-27 (15% Escalation charges added)

OR 55424 Per Ha.

  
 Divisional Forest Officer,  
 Bellampally



**UNIT COST FOR 9 th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2027-28 UNDER ANR METHOD (LI) ( 400 plants per Ha)**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	<b>02.04.</b>						
		<b>WEEDING &amp; SOIL WORKING</b>					
	<b>02.04.01</b>	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	<b>02.04.02</b>	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	<b>02.04.03</b>	i) For ordinary soil	No	400	363.37	100	1453
		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.07</b>	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	<b>02.04.08</b>	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

UNIT RATE :

or 13700.00 per Ha

13700.00 As per FSR 2016-17  
15755.00 As per FSR 2017-18 (15% Escalation charges added)  
18118.25 As per FSR 2018-19 (15% Escalation charges added)  
20835.99 As per FSR 2019-20 (15% Escalation charges added)  
23961.39 As per FSR 2020-21 (15% Escalation charges added)  
27555.60 As per FSR 2021-22 (15% Escalation charges added)  
31688.94 As per FSR 2022-23 (15% Escalation charges added)  
36442.28 As per FSR 2023-24 (15% Escalation charges added)  
41908.62 As per FSR 2024-25 (15% Escalation charges added)  
48194.91 As per FSR 2025-26 (15% Escalation charges added)  
55424.15 As per FSR 2026-27 (15% Escalation charges added)  
63737.77 As per FSR 2027-28 (15% Escalation charges added)

OR 63738 Per Ha.

  
Divisional Forest Officer,  
Bellampally



**UNIT COST FOR 10 th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2028-29 UNDER ANR METHOD (LI)**  
( 400 plants per Ha)

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	<b>02.04.</b>						
		<b>WEEDING &amp; SOIL WORKING</b>					
	<b>02.04.01</b>	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	400	103.79	100	415
	<b>02.04.02</b>	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	400	103.79	100	415
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	<b>02.04.03</b>	i) For ordinary soil	No	400	363.37	100	1453
		<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.06</b>	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1215.43	1	1215
	<b>02.04.07</b>	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
	<b>02.04.08</b>	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period.	Month	12	750	1	9000
						<b>Total</b>	<b>13714</b>

UNIT RATE :

or 13700.00 per Ha

13700.00 As per FSR 2016-17  
15755.00 As per FSR 2017-18 (15% Escalation charges added)  
18118.25 As per FSR 2018-19 (15% Escalation charges added)  
20835.99 As per FSR 2019-20 (15% Escalation charges added)  
23961.39 As per FSR 2020-21 (15% Escalation charges added)  
27555.60 As per FSR 2021-22 (15% Escalation charges added)  
31688.94 As per FSR 2022-23 (15% Escalation charges added)  
36442.28 As per FSR 2023-24 (15% Escalation charges added)  
41908.62 As per FSR 2024-25 (15% Escalation charges added)  
48194.91 As per FSR 2025-26 (15% Escalation charges added)  
55424.15 As per FSR 2026-27 (15% Escalation charges added)  
63737.77 As per FSR 2027-28 (15% Escalation charges added)  
73298.44 As per FSR 2028-29 (15% Escalation charges added)

OR 73298 Per Ha.

  
Divisional Forest Officer,  
Bellampally