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**COMPENSATORY AFFORESTATION SCHEME FOR TREATING THE NON-FOREST LAND OVER AN EXTENT OF 4.50 HA., OUT OF 5.22 HA., IDENTIFIED BY THE USER AGENCY M/S VENKATESWARA ROCKS, CHITTOOR IN LIEU OF DIVERSION OF 4.69 HA OF FOREST LAND IN COMPT. NO. 389 OF MANGUNTA RF & BEAT IN CHITTOOR EAST DIVISION FOR MINING LEASE OF BLACK GRANITE.**



In the light of the provisions contained under the Forest (Conservation) Act, 1980, it is mandatory to raise Compensatory Afforestation Plantation in lieu of forest area proposed to be diverted. The user agency i.e. M/s Venkateswara Rocks, Chittoor has identified the Non-Forest land towards Compensatory Afforestation over an extent of 5.22 Ha (12.89 Acres) in Sy. Nos. 109-C & D of Ramagiri village and Mandal of Ananthapuramu District in lieu of diversion of 4.69 Ha (3.89 Ha for mining area + 0.67 Ha for Safety zone area + 0.13 Ha for road area) of Forest land in Compt. No. 389 of Mangunta RF and Beat of Chittoor East WL Division for Mining lease of Black Granite. Out of 5.22 Ha identified by the user agency, an area of 4.50 Ha., will be treated for Raising Compensatory Afforestation Plantation and the balance of 0.72 Ha is kept under protection. The non-forest land identified by the User Agency is nearer to the Compt. No. 417 of Ramagiri West RF at a distance of 1 Km.

**AREA :-**

M/s Venkateswara Rocks, Chittoor has identified the Non-forest land towards Compensatory Afforestation over an extent of 5.22 Ha (12.89 Acres) in Sy. Nos. 109-C & D of Ramagiri Village and Mandal of Ananthapur District. Out of 5.22 Ha identified by the user agency, an area of 4.50 Ha., will be treated for Raising Compensatory Afforestation Plantation. Since the forest area proposed for diversion is 4.69 Ha (3.89 Ha for mining area + 0.67 Ha for Safety zone area + 0.13 Ha for road area) for Mining lease of Black Granite in favour of M/s Venkateswara Rocks, Chittoor in Compt. No. 389 of Mangunta RF and Beat in Chittoor East Division, the Compensatory Afforestation is proposed for **4.50** Ha., only for treatment excluding Safety zone area with the funds to be deposited by the user agency towards cost of C.A. The Non-forest land proposed to be treated is suitable for raising of plantation with species like Narepi, Tapasi, Kanuga, Seema ruba, Red Sanders, Neem, and Babul and other miscellaneous species. The soil is mostly red gravelly type. It is also proposed to construction 8 Nos., RCC boundary pillars around the Non-forest land and digging of peripheral trench  $(1.50 + 1.00)/2 \times 1$  Mt for 2000 Cum using machine.



## **OBJECTIVE :-**

The main objective of the scheme is to compensate the loss due to the diversion of Forest Land and to afforest the area and protect the soil to prevent soil erosion besides encouraging ecological balance.

## **C.A. Area – Pit and Planting Method (Labour Intensive Method):-**

### **TECHNIQUE :-**

It is proposed to raise the plantation by adopting the Labour Intensive Method over an extent of **4.50** Ha by excavating the pit of size 0.60 M x 0.60 M x 0.60 mt at 4 x 4 Mt espacement. Tall plants of one meter and above height raised in 8" x 12" size bags will be planted. Basal dressing with Super phosphate @ 50 grams per pit and pesticides @ 20 grams per pit will be done in the pits before planting. Circular weeding cum soil workings are proposed. Watering to the plants for 1 time at the time of planting during non-rainy days is also proposed. Cutting of coppice growth and pruning of side branches are also proposed. Formation of inspection paths and fire tracing operations will also to be taken up. The plantation will be maintained for (10) years after raising.

### **PROJECT PERIOD:-**

It is proposed to implement the scheme from 2018-2019 to 2029-2030 over a period of (12) years.

### **FUNDING AGENCY:-**

The total Financial outlay will be met by the User Agency i.e., M/s Venkateswara Rocks, Chittoor who will deposit the funds with the Forest Department.

### **EXECUTIVE AGENCY:-**

The Forest Department will be the implementing Agency for this scheme.

### **FINANCIAL OUT LAY :-**

It is estimated that for Raising of Labour Intensive Method plantation over an extent of 4.50 Ha. out of 5.22 Ha identified in Sy. Nos. 109-C, D in Ramagiri village and Mandal of Ananthapuramu District, an amount of Rs. **23.30** Lakh is required. The User Agency i.e., M/s Venkateswara Rocks, Chittoor has to deposit the Compensatory Afforestation amount, which will be utilized for Raising Compensatory Afforestation plantation over **4.50** Ha., The year wise details are furnished hereunder.



Sl. No	Year	Total ( Rs. in lakhs)
1	2018-19	3.748
2	2019-20	2.695
3	2020-21	2.683
4	2021-22	2.760
5	2022-23	2.264
6	2023-24	2.490
7	2024-25	2.734
8	2025-26	0.644
9	2026-27	0.707
10	2027-28	0.779
11	2028-29	0.856
12	2029-30	0.940
	<b>Total :-</b>	<b>23.30</b>

The details of Physical & Financial projections proposed Year-wise and Component wise are furnished in the statements enclosed.

**NOTE:** Basic rates proposed as per FSR of 2017-18 of Ananthapuramu Circle, and 10 % price escalation is proposed every year over the basic rates of 2017-2018.

Divisional Forest Officer,  
Ananthapuramu.

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COUNTER SIGNED

Chief Conservator of Forests  
Ananthapuramu Circle, ANANTHAPURAMU.



**C.A. SCHEME FOR RAISING 4.50 Ha. PLANTATION IN NON-FOREST LAND IDENTIFIED BY M/S VENKATESWARA ROCKS CHITTOOR IN LIEU OF DIVERSION OF 4.69 Ha FOREST LAND IN CHITTOOR EAST DIVISION FOR MINING LEASE OF BLACK GRANITE.**

(Fin: Rs. in lakhs)

Sl. No.	Description of Work	Unit	2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		Total	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	20	21
I	Labour Method																											
	Raising of 8"x12" Bag Plant Nursery	Nos	3400	0.468	700	0.106	700	0.116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4800	0.690
	Maint. of Nursery	Nos	0	0	3400	0.184	700	0.041	700	0.046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4800	0.271
	Advance Operations	Ha.	4.50	1.584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	1.584	
	Raising of Plantation	Ha.	0	0	4.50	1.278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	1.278	
	1st year Maint. of	Ha.	0	0	0	0	4.50	0.986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.986	
	2nd year Maint. of	Ha.	0	0	0	0	0	0	4.50	1.035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	1.035	
	3rd year Maint. of	Ha.	0	0	0	0	0	0	0	0	4.50	0.486	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.486	
	4th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	4.50	0.536	0	0	0	0	0	0	0	0	0	0	4.50	0.536	
	5th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.589	0	0	0	0	0	0	0	0	4.50	0.589	
	6th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.585	0	0	0	0	0	0	4.50	0.585	
	Plantation																											
	7th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.643	0	0	0	0	0	4.50	0.643
	8th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.708	0	0	0	0	4.50	0.708
9th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.778	0	0	4.50	0.778	
10th year Maint. of	Ha.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50	0.855	4.50	0.855	
	Sub Total :-		4.50	2.052	4.50	1.568	4.50	1.143	4.50	1.081	4.50	0.486	4.50	0.536	4.50	0.589	4.50	0.585	4.50	0.643	4.50	0.708	4.50	0.778	4.50	0.855	4.50	11.024
II	Wages to Plantation watcher	Nos.	0.00	0.000	1.00	0.882	1.00	1.296	1.00	1.428	1.00	1.572	1.00	1.728	1.00	1.896	--	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.00	8.802	
III	Construction of Boundary Pillars	Nos.	8.00	0.800	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000	8.00	0.800
IV	Digging of Pepheral trench of size (1.50 + 1.00)/2 x 1 M with machine	Cmt.	2000.00	0.553	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	2000	0.553	
V	Propulsion Charges / Communication Charges & Contingencies etc.		-	0.343	-	0.245		0.244	-	0.251	-	0.206	-	0.226	-	0.249	-	0.059	-	0.064	-	0.071	-	0.078	-	0.085	-	2.121
	Total :			3.748		2.695		2.683		2.760		2.264		2.490		2.734		0.644		0.707		0.779		0.856		0.940		23.300

**COUNTER SIGNED**

**Chief Conservator of Forests**  
Ananthapuramu Circle, Ananthapuramu.

Divisional Forest Officer,  
Ananthapuramu.



**Statement showing with 10% escalation every year on the Basic FSR Rate of 2017-18 for Labour Intensive Method**

SI No	Component	Unit	Basic year FSR Rate (2017-18)	Add 10% escalation every year on the basic rate											
				2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>I</b>	<b>Labour Intensive Method</b>														
1	Advance Operations	1 Ha	32000	35200	--	--	--	--	--	--	--	--	--	--	--
2	Raising of Plantations	1 Ha	23500	25800	28400	--	--	--	--	--	--	--	--	--	--
3	1st year maint. of Plantation	1 Ha	16500	18100	19900	21900	--	--	--	--	--	--	--	--	--
4	2nd year maint. of Plantation	1 Ha	15700	17300	19000	20900	23000	--	--	--	--	--	--	--	--
5	3rd year maint. of plantation	1 Ha	6700	7400	8100	8900	9800	10800	--	--	--	--	--	--	--
6	4th Year Maint. of Plantation	1 Ha	6700	7400	8100	8900	9800	10800	11900	--	--	--	--	--	--
7	5th Year Maint. of Plantation.	1 Ha	6700	7400	8100	8900	9800	10800	11900	13100	--	--	--	--	--
8	6th Year Maint. of Plantation.	1 Ha	6000	6600	7300	8000	8800	9700	10700	11800	13000	--	--	--	--
9	7th Year Maint. of Plantation.	1 Ha	6000	6600	7300	8000	8800	9700	10700	11800	13000	14300	--	--	--
10	8th Year Maint. of Plantation.	1 Ha	6000	6600	7300	8000	8800	9700	10700	11800	13000	14300	15730	--	--
11	9th Year Maint. of Plantation.	1 Ha	6000	6600	7300	8000	8800	9700	10700	11800	13000	14300	15730	17300	--
12	10th Year Maint. of Plantation.	1 Ha	6000	6600	7300	8000	8800	9700	10700	11800	13000	14300	15700	17300	19000
<b>II</b>	<b>Raising of 8"x12" Nursery</b>	1000 Nos	12500	13750	15100	16600	--	--	--	--	--	--	--	--	--
<b>III</b>	<b>Maintenance of 8"x12" Nursery</b>	1000 Nos	4500	4950	5400	5900	6500	--	--	--	--	--	--	--	--
<b>IV</b>	<b>Wages to watcher</b>	1 No. per Month	8060	8900	9800	10800	11900	13100	14400	15800	17400	19100	21000	23100	25400

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## UNIT RATES

### (1) Advance Operations (Labour Intensive Method) (4 X 4 Mts.)

Unit-1 Ha.

No. of Planting points - 625 Nos. / Ha.

2017-18

Sl. No	Qty.	Name of the work	FSR item No.	Rate	Per	Amount in Rs.
1	2	3	4	5	6	7
1	1 Ha.	Clearing of line to a width of 2 mts for Demarcation of treatment area	02.01.001	194.00	10 Ha.	19.40
2	1 Ha.	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. - Very Light Jungle growth (> 10% and upto 20% ground area covered with Jungle growth	02.01.003	2670.17	1 Ha.	2670.17
3	200 Rmt	Formation of sector lines / inspection paths 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.	02.01.006	5.55	1 Rmt	1110.00
4	625 Nos.	Alignment and staking including laying base line with espacement 4mX4m (625 Nos)	02.02.003	76.16	100 Nos.	476.00
5	625 Nos.	Digging of 0.60 M X 0.60 M X 0.60 M pits in H.G. Soils	RSSR 2016-17 Sl. No. 7 (e)	41.90	1 No	26187.50
6	L.S.	Contingencies such as sharpening crow bars and etc.,		L.S		1536.93
<b>Total :</b>						<b>32000.00</b>

### (2) Raising of Plantation (Labour Intensive Method) (4 x 4 Mts.)

Unit-1 Ha.

No. of Planting points - 625 Nos. / Ha.

2017-18

Sl. No	Qty.	Name of the work	FSR item No.	Rate	Per	Amount in Rs.
1	2	3	4	5	6	7
1	32 Kgs	Cost of SSP 50 grams per plant for basal dressing	02.02.029	As per actuals		300.00
2	13 Kgs	Cost of DAP 20 grams per plant after planting	02.02.029	As per actuals		300.00
3	625 Nos.	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizers and closing	02.02.030	35.78	100 Nos.	223.63
4	625 Nos.	Transport of 8"x12" bag plants over a lead of 50 kms	02.02.017 & 02.02.022	658.46	100 Nos.	4115.38
5	625 Nos.	Internal Transport of 8"x12" bag plants	02.02.027	129.26	100 Nos.	807.88
6	625 Nos.	Planting of bag plants	02.02.032	398.20	100 Nos.	2488.75
7	125 Nos.	Replacement of casualties 20% (2095 + 658.46 + 129.26 + 398.20)	02.02.035	3280.92	100 Nos.	4101.15
8	625 Nos.	Watering at the time of planting one watering during non-rainy days	05.21.025	581.00	100 Nos.	3631.25
9	625 Nos.	1st circular weeding to a radius of 0.5 M around the plant	02.02.038	113.77	100 Nos.	711.06
10	625 Nos.	2nd circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.02.040	597.30	100 Nos.	3733.13
11	200 Rmt	Creation of Fire lines 3 mts wide	02.02.048	5.55	1 Rmt.	1110.00
12	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows	02-02-046	887.91	1 Ha	887.91
13	L.s	Contingencies such as plantation board and other unforeseen expenditure		L.S.		1089.88
<b>Total :</b>						<b>23500.00</b>



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**(3) 1st Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2017-18**

Sl. No	Qty.	Name of the work	FSR item No.	Rate	Per		Amount in Rs.
1	156 Nos.	Replacement of casualties 25% (4190 + 658.46 +129.26 + 398.20 )	02.03.001	5375.92	100	Nos.	8386.44
2	4 Kgs	Cost of DAP @ 25 gms per plant for replacement of casualties			L.S.		100.00
3	156 Nos.	Application of fertilizers & pesticides	02.03.002	35.78	100	Nos.	55.82
4	625 Nos.	1st circular weeding to a radius of 0.5 M around the plant	02.03.007	113.77	100	Nos.	711.06
5	625 Nos.	2nd circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.03.009	597.30	100	Nos.	3733.13
6	200 Rmt	Creation of Fire lines 3 mts wide	02.03.011	5.55	1	Rmt	1110.00
7	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02-03-010	887.91	1	Ha	887.91
8	625 Nos.	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.03.012	113.07	100	Nos.	706.69
9	LS	Contingencies and other unforeseen expenditure			L.S.		808.96
		<b>Total :</b>					<b>16500.00</b>

**(4) IIInd Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2017-18**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	156 Nos.	Replacement of casualties 25% (4190 + 658.46 +129.26 + 398.20 )	02.03.001	5375.92	100	Nos.	8386.44
2	4 Kgs	Cost of DAP @ 25 gms per plant for replacement of casualties	02.04.001	As per actuals			100.00
3	156 Nos.	Application of fertilizers & pesticides	02.04.002	35.78	100	Nos.	55.82
4	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
5	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
6	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
7	625 Nos.	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.04.008	113.07	100	Nos.	706.69
8	LS	Contingencies and other unforeseen expenditure			L.S.		720.03
		<b>Total :</b>					<b>15700.00</b>



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**(5) IIIrd Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2017-18**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	625 Nos.	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.04.008	113.07	100	Nos.	706.69
5	LS	Contingencies and other unforeseen expenditure			L.S.		262.28
<b>Total :</b>							<b>6700.00</b>

**(6) IV th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2017-18**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	625 Nos.	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.04.008	113.07	100	Nos.	706.69
5	LS	Contingencies and other unforeseen expenditure			L.S.		262.28
<b>Total :</b>							<b>6700.00</b>

**(7) Vth Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2017-18**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	625 Nos.	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.04.008	113.07	100	Nos.	706.69
5	LS	Contingencies and other unforeseen expenditure			L.S.		262.28
<b>Total :</b>							<b>6700.00</b>



**(8) VI th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)****Unit-1 Ha.****No. of Planting points - 625 Nos. / Ha.****2017-18**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	LS	Contingencies and other unforeseen expenditure					268.96
<b>Total :</b>							<b>6000.00</b>

**(9) VII th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)****Unit-1 Ha.****No. of Planting points - 625 Nos. / Ha.****2016-17**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	LS	Contingencies and other unforeseen expenditure					268.96
<b>Total :</b>							<b>6000.00</b>

**(10) VIII th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)****Unit-1 Ha.****No. of Planting points - 625 Nos. / Ha.****2016-17**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	LS	Contingencies and other unforeseen expenditure					268.96
<b>Total :</b>							<b>6000.00</b>



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**(11) IX th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2016-17**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	LS	Contingencies and other unforeseen expenditure					268.96
<b>Total :</b>							<b>6000.00</b>

**(12) X th Year Maintenance of Plantation (Labour Intensive Method) ( 4 x 4 Mts.)**

**Unit-1 Ha.**

**No. of Planting points - 625 Nos. / Ha.**

**2016-17**

Sl. No	Qty.	Name of the work		Rate	Per		Amount in Rs.
1	625 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	597.30	100	Nos.	3733.13
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	5.55	1	Rmt	1110.00
3	1 Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species and placing the cut material in between the planting rows.	02.04.006	887.91	1	Ha	887.91
4	LS	Contingencies and other unforeseen expenditure					268.96
<b>Total :</b>							<b>6000.00</b>

<b>ABSTRACT</b>			
Sl No	Component		Unit rate
1	Advance Operations		32000.00
2	Raising of Plantations		23500.00
3	1st year maint. of Plantation		16500.00
4	2nd year maint. of Plantation		15700.00
5	3rd year maint. of plantation		6700.00
6	4th Year Maint. of Plantation		6700.00
7	5th Year Maint.of Plantation.		6700.00
8	6th Year Maint.of Plantation.		6000.00
9	7th Year Maint.of Plantation.		6000.00
10	8th Year Maint.of Plantation.		6000.00
11	9th Year Maint.of Plantation.		6000.00
12	10th Year Maint.of Plantation.		6000.00



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**UNIT RATES FOR NURSERY**  
**(1) Raising of 8"x12" Nursery - 1000 Nos.**

**2017-18**

Sl. No	Qty.	Name of the work	FSR item No.	Rate	Per	Amount in Rs.
1	1000 Nos.	Cost Naked seedlings		2.50	each	2500.00
2	11.63 Kgs	Cost of Polythene bags (8"x12" size)	01.05.003	146.00	Kg	1697.98
3	1100 Nos.	Site preparation for old site - clearing of growth, weeds, grass etc.	01.05.002	12.70	800 Nos	17.46
4	1100 Nos.	Cost and transport of ingredients for Potting mixture Red Soil and Clayey soil in 2:1 ratio.	01.05.007	1015.89	1000 Nos	1117.48
5	LS	Cost of chemicals, insecticides, pesticides etc.,	01.05.009	As per actuals	1000 Nos	200.00
6	1100 Nos.	Preparation of potting mixture Red Soil and Clayey soil in 2:1 ratio by powdering of various ingredients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.	01.05.013	2703.27	1000 Nos	2973.60
7	1100 Nos.	Pricking out seedlings from primary beds and transplanting in bags.	01.05.015	134.54	1000 Nos.	147.99
8	1000 Nos.	Watering the bag plants departmental nursery 4 Months (December - March )	01.05.020	310.85	800 Nos / Month	1554.25
9	1000 Nos.	Weeding the bag plants 2 times	01.05.021	47.95	800 Nos / weeding	119.88
10	1000 Nos.	Shifting & grading and re-arranging the containers one time	01.05.022	219.76	800 Nos / shifting	274.70
11	L.S	Cost of Cow dung slurry	01.06.007	L.S		150.00
12	1000 Nos.	Application of cow dung slurry @ 100 ml to 250 ml per plant depending upon the size of the plant monthly twice - 1 time	01.06.008	199.12	1000 Nos / time	199.12
13	LS	Contingencies such as species board, Name board and cost of rose canand hoes pipes and transport of ploythene bags to Nursery site and watch and ward, maintenace of electric motor and etc.		L.S		1547.54
<b>Total :</b>						<b>12500.00</b>

**(2) Maintenance of 8"x12" Nursery - 1000 Nos.**

**2017-18**

Sl. No	Qty.	Name of the work	FSR item No.	Rate	Per	Amount in Rs.
1	1000 Nos.	Watering the bag plants (8"x12") 4 Months (April to July)	01.06.004	310.85	800 Nos /month	1554.25
2	1000 Nos.	Watering the bag plants (8"x12") 3 Months (August to October)	01.06.012	155.43	800 Nos /month	582.86
3	1000 Nos.	Weeding the bag plants 4 times	01.05.021	47.95	800 Nos / weeding	239.75
4	1000 Nos.	Shifting & grading and re-arranging the containers two time	01.05.022	219.76	800 Nos / shifting	549.40
5	L.S	Cost of Cow dung slurry	01.06.007	L.S		300.00
6	1000 Nos.	Application of cow dung slurry @ 100 ml to 250 ml per plant depending upon the size of the plant monthly twice - 2 times	01.06.008	199.12	1000 Nos / shifting	398.24
7	L.S	Contingencies such as species board, Name board and cost of rose canand hoes pipes and transport of ploythene bags to Nursery site and watch and ward, maintenace of electric motor and etc.		L.S		875.50
<b>Total :</b>						<b>4500.00</b>

**Abstract**

**1 Raising of Nursery**  
**2 Maint. of Nursery**

**Total**

12500.00  
4500.00  
**17000.00**