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**Advance Operations under Labour Intensive Method with 3m * 3m espacement in Compt.No.126, Beat & Section :
Sawanpally of Neelwai Range**

Unit area 1.00 Ha

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	ADVANCE OPERATION (PRE-PLANTING OPERATION) - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.				
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	393.21	Plantation	393
02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, 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.				
	(a) Sparse Jungle growth (<10% ground area covered with Jungle growth)	0.40	2185.431	Ha	874
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.40	3284.954	Ha	1314
	(c) 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.	0.20	7717.5	Ha	1544
02.01.03	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.	100	6.45	Rmt	645
02.01.05	Alignment and stacking including demarcation of baseline				
	(a) 3x3 m espacement	1111	93.82	100 No's	1042
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site.	1111	59.81	100 No's	664
02.01.06	Digging of pits during January to March				
	(b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.26.85 for 45 cm cube pit	1111	63.64	Each	70709
			Total		77185
Unit Rate for 2021-22					77185

Forest Range Officer,
Neelwai

Forest Divisional Officer
Chennur

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Raising of Plantation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.00	Planting Operations during raising year				
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
	(d) 23 X 28 cm (9"X11") bag plants	1111	268.03	100 Nos.,	2978.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(d) 23 X 28 cm (9"X11") bag plants	1111	188.40	100 Nos.,	2093.00
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)				
	(d) 23 X 28 cm (9"X11") bag plants (53 Km)	1111	242.21	100 Nos.,	2691.00
02.02.04	Internal transportation to planting points on head loads				
	(d) 23 X 28 cm (9"X11") bag plants	1111	173.08	100 Nos.,	1923
	PLANTING: 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)				
02.02.05	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) either at nursery site before transport or at plantation site before planting	1111	41.23	100 Nos.,	458
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (Rs. 2/- per plant)	As per actual			2222
02.02.07	Planting in 60 cm ³ Pit	1111	1019.43	100 Nos.,	11326
02.01.04-ii	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	1111	1260.00	100.00	13999
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1112.44	100 Nos.,	12359
02.02.10	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	222	31.82	Each	7071
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	222	268.03	100 Nos.,	596
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	222	188.40	100 Nos.,	419

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FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	222	242.21	100 Nos.,	538
02.02.04	Internal transportation to planting points on head loads	222	173.08	100 Nos.,	385
02.02.07	(b) Planting in 60 cm ³ Pit	222	1019.43	100 Nos.,	2265
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.20	Each	1333
02.02.12	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	41.23	100 Nos.,	458
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	131.20	100 Nos.,	1458
02.02.15	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)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.02.16	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)				
	(a) Low rainfall zone < 800 m	1	1024.22	Ha.	1024
			Total		74709
Unit Rate for 2021-22					74709

Forest Range Officer,
Neelwai

Forest Divisional Officer
Chennur

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1st year maintenance of Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
01.03.05	Cost of transportation of soil mixtue for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.6 cm x 0.6 cm x 0.6 cm	21.60	369.85	cum	7989
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.	Pitting, planting, transportation and internal transportation same as precribed in fresh planting			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.37 for 45 cm cube pit	277.75	63.64	Each	17677
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	277.75	268.03	100 Nos.,	744
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	277.75	188.40	100 Nos.,	523
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	277.75	242.21	100 Nos.,	673
02.02.04	Internal transportation to planting points on head loads	277.75	173.08	100 Nos.,	481
02.02.07	(b) Planting in 60 cm ³ Pit	277.75	1019.43	100 Nos.,	2831
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1112.44	100 Nos.,	12359
02.03.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.03.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.03.04	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)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.05	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)				
	(a) Low rainfall zone < 800 mm	1	1024.22	Ha.	1024
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		58205
Unit Rate for 2021-22					58205

Forest Range Officer,
Neelwai

Forest Divisional Officer
Chennur

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2nd year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.01	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. - 5% proposed	100% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	56	63.64	Each	3535
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	56	268.03	100 Nos.,	149
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	56	188.40	100 Nos.,	105
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	56	242.21	100 Nos.,	135
02.02.04	Internal transportation to planting points on head loads	56	173.08	100 Nos.,	96
02.02.07	(b) Planting in 60 cm ³ Pit	56	1019.43	100 Nos.,	566
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.04.03	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)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.04.04	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)				
	(a) Low rainfall zone < 800 mm	1	1024.22	Ha.	1024
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		19514
		Unit Rate for 2021-22			19514

Forest Range Officer,
Neelwai

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Chennur

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3rd year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	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)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		11202
		Unit Rate for 2021-22			11202


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4th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	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)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		11202
Unit Rate for 2021-22					11202


 Forest Range Officer,
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5th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
02.04.03	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)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		9744
			Unit Rate for 2021-22		9744

Forest Range Officer,
Neelwai

Forest Divisional Officer
Chennur

6th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		2089
			Unit Rate for 2021-22		2089


Forest Range Officer,
Neelwai


Forest Divisional Officer
Chennur

7th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	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)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		8294
Unit Rate for 2021-22					8294


Forest Range Officer,
Neelwai


Forest Divisional Officer
Chennur

8th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		2089
			Unit Rate for 2021-22		2089

Forest Range Officer,
Neelwai

Forest Divisional Officer
Chennur


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9th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	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)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		8294
			Unit Rate for 2021-22		8294


 Forest Range Officer,
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 Forest Divisional Officer
 Chennur

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10th year maintenance Plantatation under Labour Intensive Method with 3m * 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
			Total		2089
Unit Rate for 2021-22					2089


Forest Range Officer,
Neelwai


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