# UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2021-22 (9"x11") (FSR 2021-22)

il.	FSR item	Nature of work	Qt	ty	Rate	Unit /	Amount
0.	No 01.04.	MAINTAINANCE YEAR OF NURSERY					
		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" X9" bags; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe . (FSR 2021-22) (301.09 /per month) ( April 2021- July21 (4	100	Bed /month	301.09	4	120436
	01.04.02	months)) Weeding once during maintenance year	100	Bed / weeding	55.29	1	5529
	01.04.03	Shifting, grading and re-arranging in beds	100	Bed / 2 times shifting	258.26	1	51652
	01.04.04	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)	100	By Nurser	y Watcher		0
	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	100	As per actuals maximum limit per 1 lakh poly	of Rs. 2000/		1000
	01.04.06	Cowdung Slurry application (One can apply					
		(a) Cost and transportation of fresh cowdung	100	per 100 beds for 3 months	As per actua maximum of	I subject to Rs.2500/-	1700
	- 30	(b)Application of cowdung slurry - only once between April to June - Watering should not be done 12 hours before and after application of cowdung slurry treatment.		1000 bags	By Nurser	y Watche	0
	01.04.0	Weeding in the space between the beds.	100	Beds	30.43	1	3043
		Nursery Watcher from April to August for 5 Months	5	Month	9654.59	1	48273
	-						11119
	01.04.0	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, ( store register for materials purchased to be maintained).		of 3 % of es	s, subject to ma stimate in Maint. Year.	c.	3336
	01.04.0	Contingencies for Electricty charges, Running & maintainance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.					1000
L					r 50000 Bag	s or	1245

Add 10% extra every year 12455

2022-23 137005

Add 10% extra every year 13700.5 2023-24 150706

UNIT COST FOR CONVERSION OF 50,000 BAG PLANTS NURSERY FOR 2021-22 (size of bag 5"x 9" Convesion to 9" x 11") (FSR 2021-22)

1.	FSR item No	Nature of work	(	Qty	Rate	Unit	Amount
+	i	CONVERSION of seedlings from 5" x 9" size bags into 12" x 13" size gusseted bags (300 bags per bed)					
	01.03.03	Cost of Gusseted Polybags (including the cost of certification ): 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 gussetted polybags.					
		Cost of polythene bags of 12 "X 13 " Size - 18.909 Kgs (53 bags per kg) per 1000 Nos of 400 gauge. ( 5000 x 15% +50000 = 57500) ( 57500/53 = 1084.90 Kgs)	1084.90	Kgs	156	1	169244
2	01.03.22	Cost & Transport of ingredients for Potting Mixture: Red Soil, tank-silt / claey soil, 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.			20.24	1000	1817
		5" x 9" to 9 x 11" polybags (4.717 - 1.12 = 3.597 cum)	50000	Nos	36.34 As per a	1000	5000
3	01.03.23	Cost of Chemical component			As per a	Cluais	3000
4	01.03.29	Preparation of Potting Mixture 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 10 m x1 m size. (12"x13" size: 300 bag plants / bed )					
		5" x 9" to 9 x 11" polybags (4.717 - 1.12 = 3.597 cum)	50000	Nos	5673.42	1000	283671
5	01.03.30	Stakes to be provided to plants in 12"X13" bags	50000	Nos	5250.00	1000	262500
6	01.03.31	Weeding the plants ( November -march : 2 weedings)					
		1st weeding - December	100	1000 Nos. / Weeding	55.29	1000	5529
		2nd weeding - February	100	1000 Nos. / Weeding	55.29	1000	5529
7	01.03.32	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted -(as per item no.01.03.14)		£			
		1st shifting - September	50000	1000 Nos. / Shifting	258.26	1000	12913
		2nd shifting - December	50000	1000 Nos. / Shifting	258.26	1000	12913
8	01.03.33	Watering the plants twice a day .					
	а	Manually with rose cans or finely perforated nozzles attached to a hose pipe ( from June to March - 10 months)					
		(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe (10 months)	50000	1000 Nos. / Shifting	301.15	1000	150575
9	01.03.3	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)	E	By Nursery Wate	cher		
1	0 01.03.3	Cost of foliar nutritient formulations like multiplex or NPK- 19:19:19; fungicides and insecticides	50000	1000 Nos	20	1000	1000
1	01.07.1	Brushwood fencing around the Nursery (As per RSSR): Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be	400	Rmt	30.54	1	12216

SI.	FSR item No	Nature of work		Qty	Rate	Unit	Amoun
12	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 m x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 m x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1 m x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	1	Watcher/Mo nth	9654.59	1	96546
+							1019453
3	01.03.30	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, (store register for materials purchased to be maintained).		As per actuals to max. of 3 estimate in rais	8 % of		30584
4	01.03.37	Contingencies for Electricty charges, Running & maintainance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.		As per Act			50000
		Total					1100037

Per 50000 Bags 1100100 Add 10% extra every year

110010

2022-23 1210110

Add 10% extra every year 121011 2023-24 1331121

# UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2021-22 (5"x9") (50000 Nos)(FSR 2021-22)

- 1	FSR item	Nature of work	Q	ty	Rate	Unit /	Amount	Remarks
>.	01.04. N	MAINTAINANCE YEAR OF NURSERY					-	
		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" X9" bags; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)						
	01.04.01	Watering polybag secondary beds twice a day for 4 months						
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe . (FSR 2019-20) ( 4 months i.e April to July 2019)	30	Bed /month	301.09	1	36131	
		Weeding once during maintenance year	30	Bed / weeding	55.29	1	1659	
		Shifting, grading and re-arranging in beds	30	Bed / 2 times shifting	258.26	1	15496	
	01.04.04	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)	30	By Nurser	y Watcher		0	
	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	30	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings			1000	
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)						
		(a) Cost and transportation of fresh cowdung	30	per 100 beds for 3 months	As per actua maximum of	subject to Rs.2500/-	1700	
	. 44	(b)Application of cowdung slurry - only once between April to June - Watering should not be done 12 hours before and after application of cowdung slurry treatment.		1000 bags	By Nursery	Watche	0	
	01.04.07	Weeding in the space between the beds,	30	Beds	30.43	1	913	
		Nursery Watcher from April to August for 5 Months	5	Month	9654.59	1	48273	
							10517	2
	01.04.08	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, ( store register for materials purchased to be maintained).		of 3 % of es	s, subject to man stimate in Maint. Year.		3155	
	01.03.09	Contingencies for Electricty charges, Running & maintainance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.					5370	
							11369	97

Add 10% extra every year 11370

**2022-23 125070**Add 10% extra every year 12507

2023-24 137577

UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2021-22 (FSR 2021-22)

SI. No.	FSR item No	Nature of work		Qty	Rate	Unit	Amount	Remarks
	primary beds depending o	DS of 1x1x0.3 m size for Miscellaneous species including s for 1 lakh nursery is permitted. Primary beds should star n availability of fresh seeds. Once primary beds are formed, without changing the medium - what is required each time is soless on it and adding the below recommended fungicides and ins	t from on they ca arizatio	Jan - May n be used n, burning		ţ!		
1	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	1	Bed	5.46	1	5.46	
2	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	1	Bed	42.06	1	42.06	
3	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	31.81	1	31.81	
4	01.01.05	For every extra km beyond 5 km upto 25 km( 20x 1.27=25.40)	1	Bed	25.40	1	25.40	
5	01.01.06	Cost and transport of 0.025 cum FYM	1	Bed	27.34	1	27.34	
6	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with exacavated soil and refilling the bed and layelling.	1	Bed	11.96	1	11.96	
7	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	13.67	1	13.67	
8	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		0.00	
9	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		250	
10	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		0.00	)
11	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and bradcasted - 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	13.62	1	13.62	2
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months. (15.32 x 2 = 30.64)	1	Bed	30.64	1	30.64	1
13	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 DEO.	1	Per Bed	As per CSSR		200.00	)
14	01.01.15	Cost of chemicals, fungicide and insecticide		1000/- per	uals limited to Rs. I lakh seedlings in ry bed stage		20.00	
15	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 Nurs	sery Watcher		0.00	
							671.96	
		Rasing of seedlings 110% for abtaining 100%		10%			67.20	-
		Grand Total					739.16	
		cost of each plant (2000 plants per bed) - 2021-22					0.36958	3

Add 10% extra every year 0.036958

2022-23 0.40654

Add 10% extra every year 0.040654

2023-24 0.44719

#### Estimate for Raising of 1Ha SMM Plantation

Espacement - 3 x2 No of plants- 1666

SI.No		SR/SS 2021- 22	Quant	tity	Rate	Per	Amount
	ADVANCE OPERATION (PREPLANTING OPERTIONS	********************		,			
1	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. The unsuitable area shall be excluded from the clearing opearationand the expenditure shall be incurred for effective area only. All the above operations shall be completed before December. (b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)		1	На	3284.95	1	3285
2	Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal, and levelling. For	02.08.03 (b)	1	На	11037.5	1	11038
3	Collection and Removal of Uprooted Stumps of all sizes, other debris etc., to outside the plantation site.  (b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	02.08.04 (b)	1	На	9657.68	1	9658
	<u> </u>	Opns. To	atal				23980
	(PLANTING OPERATIONS DURING RAISING YEAR	1		T	·	1	<u> </u>
4	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough (FOR UNTILLED AREA) - to be completed by 15th of June (b) Hard soils like gravel and morum	02.09.02 (b)	1	На	5620.89	1	5621
5	Alignment and stacking including demarcation of base line (c) 2 x 3 cm espacement = 1666 planting points	02.09.04 (c)	1111	No's	93,82	100	1042
6	Cost and preparation of stakes (0.45 m length) and		1111	No's	59.81	100	664
7	transportation to site  Cost and preparation of stakes (2.0 m length) and transportation to site (Subject to condition that the seedling height is 1.5m to 2.0 m height)	02.09.05 (ii)	1111	No's	1260.00	100	13999
8	Digging of pits in ploughed areas in June- July by adoting 50% of original rate of digging of pits of ordinary soil b) 45 cm3 pits	02.09.06 (b)	1666	No's	11.19	1	18643
10	Transportation of Planting strock (Including loading and un loading) up to a distance of 5 K.M (d) 23 X 28 cm (9"X11") bag plants (including 20%	02.09.07	1111	No's	268.03	100	2978
11	Transportation of Planting strock(Including loading	02.09.08 (d)	1111	No's	9.42	100	2093
12	Internal transportation to planting points on head	02.09.10 (d)	1111	No's	173.08	100	1923
13	(a) Application of SSP 50 gm per pit (1day before planting) for root growth and early establishment of plant after planting. Ii) Similarly the bag plants to be	02.09.11 (a)	1111	No's	41.23	100	458
		.i	<u>. i</u>				
14	planting.	02 00 11	83	Kgs	30	1	2490

# Estimate for 1st Year Maintenance of SMM Plantation

Espacement - 3 x2

2	023-24			lo of plants			
.No		FSR/SS R 2021- 22	Quan	tity	Rate	Per A	mount
	Replacement of Casualties: 25% during Maintenance						
	Year Digging of pits in ploughed areas in June- July by	02.09.06			44.40	1	3111
1	adoting 50% of original rate of digging of pils of ordinary soil b) 45 cm3 pits	(b)	278	No's	11.19		
2	Transportation of Planting strock (Including loading and un loading) up to a distance of 5 K.M(d) 23 X 28 cm (9"X11") bag plants (including 20% casualities)	02.09.07 (d)	278	No's	268.03	100	745
3	Transportation of Planting strock(Including loading and un loading) more than 5 km distance and upto 25 km distance (d) 23 X 28 cm (9"X11") bag plants	(d)	278	No's	9.42	100	524
4	Internal transportation to planting points on head loads (d) 23 X 28 cm (9"X11") bag plants	02.09.10 (d)	278	No's	173.08	100	481
5	(a) Application of SSP 50 gm per pit (1day before planting) for root growth and early establishment of plant after planting. Ii) Similarly the bag plants to be planted will be dipped inside Chloropyriphos solution (5 ml Chloropyriphos in 1 ltr water) either at nursery site before transport or at plantation site before planting	02.09.11 (a)	278	No's	41.23	100	115
6	Cost of SSP and Chlorodine duast of Chloropyriphos	02.09.11 (b)	21	Kgs	30	1	630
7	Planting in 45 cm3 pits	02.09.12 (b)	278	No's	459.36	100	1277
8	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during drespell a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	9 02.09.14 9 (a)	1111	No's	278.11	100	3090
9	b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head. Note: The Plantation in-charge Officer should record the watering operations in Watering Watch Register and Mon the same day of watering.	02.09.14 (b)	1111	No's	278.11	100	3090
10	Application of Fertilizer in August (30 days after planting by making 3 holes of 10 cm depth with crow bar holes a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet the time of DAP application.	at ng 02.09.17	1111	No's	41.23	100	458
11	Weeding and saucer formation to a radius of 0.5 m around the plant immediately after planting (i.e) during June.	nts ng 02.09.18	1111	No's	131.20	100	1458
12	Circular weeding cum Deep Soil working to a redius 0.5m and to a depth of 15 cm (to be done by pick-a only) without damaging the plant. (during Nov - Dec)	of xe 02.09.19	1111	No's	689.06	100	7655
13	Inter ploughing (During November) the effecti (Excluding un suitable patches) plantation area acro the slope to a depth of 30 cm with Heavy duty Tractor 55 HP and above with Firm Mould Board (FMB) plough	of (b)	1	На	3502.95	1	3503
14	Pruning of lower branch initials of Timber and NT species by scicature upto 1/3 rd height (to be do during October)	one 02.09.2	1 1111	No's	130.43	100	1449
15	Uprootal of Mahaveera (Hypits Suavelona) Weed v prior written approvalof Circle Head and tak Photographs before and after uprootal permission	ing 02.09.2	2 1	На	3833.45	1	3833
16	ii) Contingencies and Miscellaneous (with in 5% of estimate cost subject to ceiling of Rs. 5,000/-)	the 02.09.2	4		As per Actuals		100
17	Cost of protection (Per 25 Ha One Watcher) for	02:09:2	5 12	Month	8388.25	Month	3241
	Tota	al :-	<u>l</u>	Ac	ld 10% extra	e every year 2022-2	3241

2022-23 35661
Add 10% extra every year 2023-24
Add 10% extra every year 2024-25
Add 10% extra every year 4315
2025-26 47464

#### Estimate for 2nd Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

	2024-25			No of plant		······································	*************
SI.No	Description of Work	FSR/SS R 2021- 22	Quan	itity	Rate	Per	Amount
	Replacement of Casualties: 5% during Maintenance Year						
1	Digging of pits in ploughed areas in June- July by adoting 50% of original rate of digging of pits of ordinary soil b) 45 cm3 pits	02.09.06 (b)	56	No's	11.19	1	627
2	Transportation of Planting strock (Including loading and un loading) up to a distance of 5 K.M(d) 23 X 28 cm (9"X11") bag plants (including 20% casualities)	02.09.07 (d)	56	No's	268.03	100	150
3	Transportation of Planting strock(Including loading and un loading) more than 5 km distance and upto 25 km distance (d) 23 X 28 cm (9"X11") bag plants	02.09.08 (d)	56	No's	9.42	100	106
4	Internal transportation to planting points on head loads (d) 23 X 28 cm (9"X11") bag plants	02.09.10 (d)	56	No's	173.08	100	97
5	(a) Application of SSP 50 gm per pit (1day before planting) for root growth and early establishment of plant after planting. Ii) Similarly the bag plants to be planted will be dipped inside Chloropyriphos solution (5 ml Chloropyriphos in 1 ltr water) either at nursery site before transport or at plantation site before planting	02.09.11 (a)	56	No's	41.23	100	23
6	Cost of SSP and Chlorodine duast of Chloropyriphos	02.09.11 (b)	21	Kgs	30	1	630
7	Planting in 45 cm3 pits	02.09.12 (b)	56	No's	459.36	100	257
8	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	02.09.14	1111	No's	278.11	100	3090
9	b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior writter permission of Circle Head.  Note: The Plantation in-charge Officer should record the watering operations in Watering Watch Register and MB on the same day of watering.	02.09.14	1111	No's	278.11	100	3090
10	Application of Fertilizer in August (30 days afte 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.	v d 02.09.17	1111	No's	41.23	100	458
11	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	1111	No's	131.20	100	1458
12	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-ax only) without damaging the plant. (during Nov - Dec)	of e 02.09.19	1111	No's	689.06	100	7655
13	Inter ploughing (During November) the effectiv (Excluding un suitable patches) plantation area acros the slope to a depth of 30 cm with Heavy duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough	s 02.09.20 of (b)	1	На	3502.95	1	3503
14	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be don during October)	e 02.09.21	1111	No's	130.43	100	1449
15	Uprootal of Mahaveera (Hypits Suavelona) Weed wit prior written approvalof Circle Head and takin Photographs before and after uprootal permission	g 02.09.22	1	Ha	3833.45	1	3833 2642
	Total	:-[	<u> </u>	Ado	I 10% extra	every year	i
				Aut	I TO TO GALLA	2022-23	

2022-23 29068
Add 10% extra every year 2023-24
Add 10% extra every year 3198
3198
32024-25
Add 10% extra every year 2025-26
Add 10% extra every year 38690
Add 10% extra every year 2025-26
Add 10% extra every year 2025-26

# Estimate for 3rd Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

				No of plan	15- 1000		*****************
SI.No	Description of Work	FSR/SS R 2021- 22	Quar	ntity	Rate		Amount
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.		1111	No's	131.20	100	1458
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe	02.09.19	1111	No's	689.06	100	7655
3	Inter ploughing (During November) the effective (Excluding un suitable patches) plantation area across the slope to a depth of 30 cm with Heavy duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough	02.09.20	1	На	3502.95	1	3503
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	1	1111	No's	130.43	100	1449
	Total:	1				<u> </u>	14065
	Total .		A	Add	10% extra	every year	1406.5

2022-23 15472 1547 Add 10% extra every year 17019 2023-24 Add 10% extra every year 2024-25 1702 18721 1872 Add 10% extra every year 20593 2025-26 Add 10% extra every year 2026-27 2059 22652 2265 Add 10% extra every year 24917 2027-28

#### Estimate for 4th Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

	2028-29	FSR/SS	**************************************				
SI.No	Description of Work	R 2021- 22	Qua	ntity	Rate	Per	Amount
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	1111	No's	131.20	100	1458
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	No's	689.06	100	***************************************
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approvalof Circle Head and taking Photographs before and after uprootal permission	02.09.22	1	Ha	3833.45	1	3833 <b>6740</b>
	Total:-			1	10% extra e		471.00

7414 2022-23 741 Add 10% extra every year 8156 2023-24 Add 10% extra every year 2024-25 816 8971 897 Add 10% extra every year 2025-26 9868 987 Add 10% extra every year 10855 2026-27 Add 10% extra every year 2027-28 1086 11941 Add 10% extra every year 2028-29 1194 13135

#### Estimate for 5th Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

	2029-30			Teo or plant			
SI. No	Description of Work	FSR/SS R 2021- 22	Quai	ntity	Rate	Per	Amount
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	1111	No's	131.20	100	1458
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	No's	689.06	100	7655
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approvalof Circle Head and taking Photographs before and after uprootal permission	02.09.22	1	На	3833.45	1	
6	Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)	02.09.24			As per Actuals		1000
7	Cost of protection (Per 25 Ha One Watcher) for 12 months (115848/1.1509 Ha= 100659/Ha) = 8388/PM	02:09:25	12	Month	8388.25	Month	
	Total :-		*****				11562
			***************************************	Add	10% extra	every year	1156.22

12718 2022-23 Add 10% extra every year 1272 13990 2023-24 Add 10% extra every year 2024-25 1399 15389 1539 Add 10% extra every year 2025-26 16928 1693 Add 10% extra every year 18621 2026-27 1862 Add 10% extra every year 20483 2027-28 Add 10% extra every year 2048 22531 2028-29 2253 Add 10% extra every year 2029-30 24785

# Estimate for 6th Year Maintenance of SMM Plantation

Espacement - 2 x 3

	2030-31	FSR/SS			Rate	Per	Amount
SI.No	Description of Work	R 2021- 22	Quai				
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	1111	No's	131.20	100	1458
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe	02.09.19	1111	No's	689.06	100	
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approval of Circle Head and taking	i I	.1	На	3833.45	1	3833
	Photographs before and after uprootal permission Total:	-		Add	10% extra	every year	674.02

2022-23 7414 Add 10% extra every year 741 2023-24 8156 816 Add 10% extra every year 8971 2024-25 Add 10% extra every year 897 9868 2025-26 987 Add 10% extra every year 10855 2026-27 1086 Add 10% extra every year 11941 2027-28 Add 10% extra every year 1194 13135 2028-29 1313 Add 10% extra every year 14448 2029-30 1445 Add 10% extra every year 2030-31 15893

### Estimate for 7th Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

	2031-32			To other					
SI. No	Description of Work  Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	FSR/SS R 2021- 22 02.09.18	Quantity		Rate	Per	Amount		
1			1111	No's	131.20	100	1458		
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	No's	689.06	100	7655		
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449		
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approvalof Circle Head and taking Photographs before and after uprootal permission	02.09.22	1	На	3833.45	1			
6	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)  iii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)	02.09.24			As per Actuals		1000		
7	Cost of protection (Per 25 Ha One Watcher) for 12 months (115848/1.1509 Ha= 100659/Ha) = 8388/PM	02:09:25	12	Month	8388.25	Month			
.,	Total:	-			.i	ļ	11562 1156.2		
	Add 10% extra every year								

2022-23 12718 1272 Add 10% extra every year 2023-24 13990 1399 Add 10% extra every year 15389 2024-25 Add 10% extra every year 1539 16928 2025-26 Add 10% extra every year 1693 2026-27 18621 1862 Add 10% extra every year 2027-28 20483 2048 Add 10% extra every year 22531 2028-29 Add 10% extra every year 2029-30 2253 24785 2478 Add 10% extra every year 2030-31 27263 2726 Add 10% extra every year 29989 2031-32

# Estimate for 8th Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

7	2032-33	FSR/SS			D-4-	Por	Amount
.No	Description of Work	R 2021- 22	Quantity		Rate	Per	
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during	02.09.18	1111	No's	131.20	100	1458
	June.  Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	No's	689.06	100	***************************************
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done	02.09.21	1111	No's	130.43	100	1449
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with	g 02.09.22	1	На	3833.45	1	3833 <b>6740</b>
	Photographs before and after uprootal permission  Total			1	10% extra	L	0740

7414 2022-23 Add 10% extra every year 741 8156 2023-24 816 Add 10% extra every year 8971 2024-25 897 Add 10% extra every year 9868 2025-26 987 Add 10% extra every year 10855 2026-27 1086 Add 10% extra every year 2027-28 11941 Add 10% extra every year 1194 13135 2028-29 1313 Add 10% extra every year 14448 2029-30 1445 Add 10% extra every year 15893 2030-31 1589 Add 10% extra every year 17482 2031-32 1748 Add 10% extra every year 19230 2032-33

# Estimate for 9th Year Maintenance of SMM Plantation

Espacement - 2 x 3 No of plants- 1666

	2033-34			No of plants	- 1000	·····i	
SI.	Description of Work	FSR/SS R 2021- 22	Quantity		Rate	Per	Amount
1	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	02.09.18 1111	No's	131.20	100	1458
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	No's	689.06	100	7655
4	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approvalof Circle Head and taking Photographs before and after uprootal permission	02.09.22	1	На	3833.45	1	
6	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)	02.09.24			As per Actuals		1000
7	Cost of protection (Per 25 Ha One Watcher) for 12 months (115848/1.1509 Ha= 100659/Ha) = 8388/PM	02:09:25	12	Month	8388.25	Month	1156
	Total:	-				<u> </u>	11562
		A	I	Add	10% extra	every year	1156.2

12718 2022-23 1272 Add 10% extra every year 13990 2023-24 1399 Add 10% extra every year 15389 2024-25 1539 Add 10% extra every year 2025-26 16928 1693 Add 10% extra every year 18621 2026-27 1862 Add 10% extra every year 20483 2027-28 2048 Add 10% extra every year 22531 2028-29 2253 Add 10% extra every year 24785 2029-30 2478 Add 10% extra every year 27263 2030-31 Add 10% extra every year 2726 2031-32 29989 2999 Add 10% extra every year 32988 2032-38 Add 10% extra every year 3299 36287 2033-34

#### Estimate for 10th Year Maintenance of SMM Plantation

Espacement - 2 x 3

	2034-35 No of plants- 1666								
SI.No	Description of Work  Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.		Quantity		Rate	Per	Amount		
			1111	No's	131.20	100	1458		
2	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)		1111	No's	689.06	100			
	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	No's	130.43	100	1449		
5	Uprootal of Mahaveera (Hypits Suavelona) Weed with prior written approvalof Circle Head and taking Photographs before and after uprootal permission	Circum to the control of the	1	На	3833.45	1	3833		
	Total :-						6740		

Add 10% extra every year 2022-23 7414 Add 10% extra every year 741 8156 2023-24 Add 10% extra every year 816 2024-25 8971 Add 10% extra every year 897 2025-26 9868 Add 10% extra every year 987 2026-27 10855 Add 10% extra every year 1086 2027-28 11941 Add 10% extra every year 1194 13135 2028-29 Add 10% extra every year 1313 2029-30 14448 Add 10% extra every year 1445 2030-31 15893 Add 10% extra every year 1589 2031-32 17482 Add 10% extra every year 1748 2032-33 19230 Add 10% extra every year 1923 2033-34 21154 Add 10% extra every year 2115 2034-35 23269