Data for Raising of 1000 Nos. (8"x12") Poly Pot Seedlings during 2019-20 (including cost of Primary Beds)

S. No			Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amoun
1	13.5	Kgs	Cost of 8"x12" - 400 guage PPs	4	5	6	7
		, rgs		As per Tender approval	133.95	1 Kg	180
2	1.25		Site preparation for new site	01-03-001	59.71	Nos.	7.
3	1100	Nos.	Cost and transport of ingradients for potting mixutre red soil and clayey soil in 2:1 ration for fresh filling	01-03-006	1100.15	1000 Nos.	1210
4	1100	Nos.	Preparation of potting mixutre Red soil and clayey soil in 2:1 ratio by powdering of various ingradients, sieving and mixing them, opening filling with potting mixture and gently pressing the same with finger tip and arranging the beds.	01-03-011	3190.24	1000 Nos.	3509
5	1100	Nos.	Pricklingout the seedlings from primary beds and transplanting of seedlings	01-03-014	158.75	1000 Nos.	175
6	1.25/ 7 Months	Bed/ Month	Watering the plants twice a day from Sep to March	01-03-016	293.45	Bed/ Month	2568
7	1.25/ 2Times	Per Bed	Weeding only two times	01-03-017	56.57	Per Bed	141
8	1.25/ 2Times	Per Bed	Shifting; Grading and Re-arranging once in month after three months of transplantation /	01-03-018	259.34	Per Bed for shifting	648
9	LS		Cost of chemicals/vermicompost and incesticides	01-03-019	100.00	as per actual	100
10	.3	Beds	Primary Beds Preparation of new site by clearing	01-02-001	5.92	Per Bed	18
11	3	Bed	misc. growth. Digging of soil to a depth of 30cms				PROCESS.
12	3	Bed	Cost of sandy soil 50% of dugged quantity and transporation taken from private lands, with 5Kms lead loading and unloading charges by annual means, (Sandy soil and FYM, in 5:1 proprtion) 0.125 cum per bed. (as per CSSR 2011-12)	01-02-003 01-02-004	43.82 35.92	Per Bed Bed	131
13	LS	Cum	Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proprtion) 0.025 cum per bed.	01-02-005	As per actuals	Cum	100
14	3		Preparation of soil mixture of red earth/sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed and filling of bed.	01-02-006	12.24	Bed	37
15	5	Kgs	Cost of seed	01-02-007	As per	Kg	800
16	3		Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm.	01-02-008	actuals 13.91	Bed	42
17	3/2Months	1	Watering the primary nursery beds with rose water cans for a maximum period of 2 months.	01-02-009	15.61	Bed/Month	94
18	3/2Months		Weeding the primary beds. Maximum of 2 times	01-02-010	2.31	Bed/Month	14
19	LS		Curbing the beds all around with Cement Bricks.	01-02-011	As per CSSR		700
21		(Contingencies Pate for 2010 20				23
			Rate for 2019-20 Add 10% extra rate for 2020-21				12300
			7166 1070 CAHA TALE TOF 2020-21				13530

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Data for Maint. of 1000 Nos. (8"x12") PPs seedlings during 2019-20

S. No.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	1.25/ 5 Months	Watering the plants twice a day from April to August	01-03-016	293.45	Bed/ Month	1834
2	1.25/ 4Times	Weeding only two times	01-03-017	56.57	Per Bed	283
3	1.25/ 2 Times	Shifting; Grading and Re-arranging once in month after three months of transplantation /	01-03-018	259.34	Per Bed for shifting	648
4	1.25/Bed	Cost of cow dung slurry	01-03-023		As per actuals	80
5	1000Nos./ 2 Times	Application of cow dung slurry at the rate of 100ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and two times in maintenance) Note:- Watering should not be done 12 hours before and after application of cow dung slurry	01-03-024	234.97	1000/ per time	470
6	0.625/ 2 Months	Watering the plants for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags; 1100 6"X12" bags and 800 8"X12" bags) September & October	01-03-025	146.73	Per bed/ month	92
		Contingencies				93
		Rate for 2019-20				3500
		Add 10% extra rate for 2020-21				3850

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Data for Maint. 1000 Nos. (8"x12") PPs beyond August during 2019-20

SI.No	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	1.25/ 7 Months	Watering the plants for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags; 1100 6"X12" bags and 800 8"X12" bags) September to March	01-03-025	146.73	Per bed/ month	1284
2	1.25/ 2 Times	Shifting and grading and re-arranging in beds for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags; 1100 6"X12" bags and 800 8"X12" bags) (with prior permission of CCF/CF)	01-03-027	259.34	Per bed/ month	648
3		Contingencies				68
		Rate for 2019-20				2000
		Add 10% extra rate for 2020-21				2200

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Data for Advance Operations for 380 Nos Under Trench cum pit Method during 2019-20

SI. No.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amoun
1	2	3	4	5	6	7
1	Plantation	Survey with GPS (Only staff to carry out) one manday is allowed for assistance (as per RSSR)	02-02-001	228.95	Plantation	22
2	380	Digging of Trench cum pit 1 Cm3 pits in HG soil (1.00x0.50x0.25 M trench with a central pit of 0.30 cube cm size	05.21.008	2774.58	100 Nos.	1054
3	380	Transport of 12"x18" PP seedlings by 50 Kms lead -	02.03.010	759.82	100 Nos.	288
4	380	Internal transport of 12"x18"	02-03-020	152.54	100 Nos.	580
5	380	Planting seedlings in 60 Cm3 pits	02-03-034	469.92	100 Nos	1786
6	380	Cost of Chemical fertilisers (50grm SSP for basal dressing, 20 grm DAP after planting for 30 cm ³ & 45 cm ³ pits).	02-03-031		each	500
7	380	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant amd putting fertilizers and closing	02-03-032	42.20	100 Nos.	160
8	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02-03-039	704.88	100 Nos	5357
10	380	Enumeration of survivals 10% to survivals and 5% height once in November after growing season and once in March in dry season	002-03-054	25.17	100 Nos.	96
11	380	Provision of watering during planting as per PCCFs Circular No.6B/2006-G1 (Rc.No.17309/2000-G1, Dt.16.08.2005) prior instructions to Conservator of Forests	02-03-055	3.12	Plant	1186
27.		Replacement Casualities - 20%				
2	76	Reopening of 1.00 cm³ pits 50% of Original rate	02-03-027	1387.29	100 Nos.	1054
3		Transport of 12"x18" PP seedlings by 50 Kms lead -	02.03.010	759.82	100 Nos.	5896
4	76	Internal transport of 12"x18"	02-03-020	152.54	100 Nos.	116
5		Planting seedlings in 60 Cm3 pits	02-03-034	469.92	100	357
7	50	Fire tracing operations to a width of 3 Mtrs.wide	02-02-006	6.55	Nos Rmt	328
3	L.S C	Contingencies				550
		Rate for 2019-20				31625
		Add 10% extra rate for 2020-21				34787
-/-					or	31900

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Data for 1st Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
Repla		Casualities - 25%			-	
1	95	Reopening of 1.00 cm ³ pits 100% of Original rate	05.21.018	2774.58	100 Nos.	2636
2	95	Transport of 12"x18" PP seedlings by 50 Kms lead -	02.03.010	759.82	100 Nos.	722
3	95	Internal transport of 12"x18"	02-03-020	152.54	100 Nos.	145
4	95	Planting seedlings in 60 Cm3 pits	02-03-034	469.92	100 Nos	446
5	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02-03-039	704.88	100 Nos	5357
7	50	Creation of Fire lines 3 mts wide	02-04-007a	6.55	Rmt	328
9	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-04-010	133.41	100 Nos	507
10	LS	Contingencies				159
		Rate for 2019-20				10300
		Add 10% extra rate for 2020-21				11330
		Add 10% extra rate for 2021-21				12462
					or	12500

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Data for 2nd Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	95	Reopening of 1.00 cm ³ pits 100% of Original rate	05.21.018	2774.58	100 Nos.	2636
2	95	Transport of 12"x18" PP seedlings by 50 Kms lead -	02.03.010	759.82	100 Nos.	722
3	95	Internal transport of 12"x18"	02-03-020	152.54	100 Nos.	145
4	95	Planting seedlings in 60 Cm3 pits	02-03-034	469.92	100 Nos	446
5	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02-03-039	704.88	100 Nos	2679
6	50	Creation of Fire lines 3 mts wide	02-04-007a	6.55	Rmt	328
8	380	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	02-04-010	133.41	100 Nos	507
10	LS	Contingencies				138
		Rate for 2019-20				7600
		Add 10% extra rate for 2020-21				8360
		Add 10% extra rate for 2021-22				9196
		Add 10% extra rate for 2022-23				10116
					or	10120

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Data for 3rd Year Maintenance of Plantation for 380 Nos Ha during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
4	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
5	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
6	LS	Contingencies				50
		Rate for 2019-20				3700
		Add 10% extra rate for 2020-21				4070
		Add 10% extra rate for 2021-22				4477
	17.1	Add 10% extra rate for 2022-23				4925
		Add 10% extra rate for 2023-24				5417
					or	5450

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Data for 4th Year Maintenance of Plantation for 380 Nos. during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
4	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
5	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
6	LS	Contingencies				50
		Rate for 2019-20				3700
		Add 10% extra rate for 2020-21				4070
		Add 10% extra rate for 2021-22				4477
		Add 10% extra rate for 2022-23				4925
		Add 10% extra rate for 2023-24				5417
10,111		Add 10% extra rate for 2024-25				5959
					or	6000

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Data for 5th Year Maintenance of Plantation for 380 Nos. during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
5	LS	Contingencies				50
		Rate for 2019-20				3700
		Add 10% extra rate for 2020-21				4070
		Add 10% extra rate for 2021-22				4477
		Add 10% extra rate for 2022-23				4925
		Add 10% extra rate for 2023-24				5417
		Add 10% extra rate for 2024-25				5959
		Add 10% extra rate for 2025-26				6555
STATE OF					or	6600

Forest Range Officer, Kadapa Countersigned

Data for 6th Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
5	LS	Contingencies				50
		Rate for 2018-19				3700
		Add 10% extra rate for 2019-20				4070
		Add 10% extra rate for 2020-21				4477
		Add 10% extra rate for 2021-22				4925
		Add 10% extra rate for 2022-23				5417
		Add 10% extra rate for 2023-24				5959
100		Add 10% extra rate for 2024-25				6555
		Add 10% extra rate for 2025-16				7210
12					or	7200

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Data for 7th Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
5	LS	Contingencies				50
		Rate for 2019-20				3700
		Add 10% extra rate for 2020-21				4070
		Add 10% extra rate for 2021-22				4477
		Add 10% extra rate for 2022-23				4925
1.00		Add 10% extra rate for 2023-24				5417
		Add 10% extra rate for 2024-25				5959
		Add 10% extra rate for 2025-26				6555
		Add 10% extra rate for 2026-27				7210
		Add 10% extra rate for 2027-28				7931
					or	7950

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Data for 8th Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137
5	LS	Contingencies				50
		Rate for 2019-20				3700
		Add 10% extra rate for 2020-21				4070
		Add 10% extra rate for 2021-22				4477
200		Add 10% extra rate for 2022-23				4925
		Add 10% extra rate for 2023-24				5417
7.5		Add 10% extra rate for 2024-25				5959
		Add 10% extra rate for 2025-26				6555
		Add 10% extra rate for 2026-27				7210
		Add 10% extra rate for 2027-28				7931
		Add 10% extra rate for 2028-29				8725
					or	8800

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Data for 9th Year Maintenance of Plantation for 380 Nos during 2019-20

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount		
1	2	3	4	5	6			
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679		
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328		
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507		
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137		
5	LS	Contingencies				50		
		Rate for 2019-20				3700		
		Add 10% extra rate for 2020-21				4070		
		Add 10% extra rate for 2021-22				4477		
		Add 10% extra rate for 2022-23				4925		
		Add 10% extra rate for 2023-24				5417		
		Add 10% extra rate for 2024-25				5959		
		Add 10% extra rate for 2025-26				6555		
		Add 10% extra rate for 2026-27				7210		
		Add 10% extra rate for 2027-28				7931		
		Add 10% extra rate for 2028-29				8725		
		Add 10% extra rate for 2029-30				9597		
					or	9600		

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Data for 10th Year Maintenance of Plantation for 380 Nos Ha during 2019-220

SI.N o.	Qty	Desription of work	FSR Item No. (or) CSSR Item No.	Rate	Per	Amount 7		
1	2	3	4	5	6			
1	380	Circular weeding cum soil working to a radious of 50 Cms around the plant in HG soils	02.06.001	704.88	100 Nos	2679		
2	50	Creation of Fire lines 3 mts wide	02-06-005	6.55	Rmt	328		
3	380	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02-06-007	133.41	100 Nos	507		
4	380	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.06.008	137.04	Ha.	137		
5	LS	Contingencies				50		
		Rate for 2019-20				3700		
		Add 10% extra rate for 2020-21				4070		
		Add 10% extra rate for 2021-22				4477		
		Add 10% extra rate for 2022-23				4925		
		Add 10% extra rate for 2023-24				5417		
		Add 10% extra rate for 2024-25				5959		
		Add 10% extra rate for 2025-26			gist a v	6555		
		Add 10% extra rate for 2026-27				7210		
		Add 10% extra rate for 2027-28				7931		
		Add 10% extra rate for 2028-29				8725		
		Add 10% extra rate for 2029-30				9597		
		Add 10% extra rate for 2030-31				10557		
					or	10600		

Forest Range Officer, Kadapa Counter Signed

Divisional Forest Officer,

SCHEME PROPOSAL FOR RAISING OF COMPENSATORY AFFORESTATION FOR TO BE FEELING TREES IN DIVERSION AREA FOR 380 Nos. LIEU OF DIVERSION OF 0.02 Ha. OF FOREST LAND FOR ERECTION OF OBSTACLE LIGHT MASTS BY AIRPORT AUTHORITIES IN

SI. No	Component		2020-21			2021-22			2022-23			2023-24			2024-2	
		Unit	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14.	15	16	17
A	Nursery Cost															
7	8"X12"Poly pot seedings			1 10	3 1 2 6			67 1				777				-
a	Raising of Tall seedlings	Nos	460	0.135	0.057	115	0.149	0.016	115	0.164	0.017					
b	Maintenance of Tall seedlings	Nos				380	#####	0.021	115	0.067	0.007	115	0.073	0.0077		
	Total (A)				0.057		20	0.036			0.024			0.008		
В	Plantation Cost						100									
a	Advance Operations Cum Raising of plantations	Nos	380	0.319	0.319											
ь	Ist Year Maint, of plantation of SMM Plantation	Nos				380	0.125	0.125								
c	2nd Year Maint of SMM plantation	Nos							380	0.101	0.101					1
d	3nd Year Maint of SMM plantation	Nos							377			380	0.055	0.055		
e	4th Year Maint of SMM plantation	Nos													380	####
f	5 th Year Maint of SMM plantation	Nos														
g	6th Year Maint of SMM Plantation	Nos						10	19	9						
h	7th Year Maint of SMM Plantation	Nos								0. 1						100
ı	8th Year Maint of SMM Plantation	Nos		-										10.53	101	
j	9th Year Maint of SMM Plantation	Nos					TV P									
k	10th Year Maint of SMM Plantation	Nos	(A) Y			TO S							1			
	Total(B):-				0.319			0.125			0.101			0.055		
	Tota Plantation Cost (A+B)	3. 7		4	0.376			0.161			0.125			0.062		
C	SMC works like CCT's															
a	CCTs	Cun	100	230.560	0.231									0.000		_
1	Total(C):-				0.231			0.000			0.000	-		0.000		
D a	Project monitoring expenses like										0.010		-	0.004		
	Administrative cost (10% on total the Plantation cost like Miscelenous expenses).				0.038			0.016			0.013			0.006		
	Total(D):-			10 Miles	0.038			0.016			0.013			0.006		
	GRAND TOTAL (A+B+C+D):				0.644			0.178			0.138			0.068	7	

Forest Range Officer, Kadapa

