scheme for 27.14 Ha Raising of NTSH Plantation in double degraded Forest Land at Compt.No.313, Mukamamidi Beat of Pogallapally Forest Block of Mulakalapally Range of Paloncha Division in lieu of Diversion of forest land under FC Act, 1980 to an extent of 37.7154 Ha for creation of 400 KV QMDC line from the proposed 4x270MW Bhadradhri TPP near Manugoor to the proposed 400/220 KV SS at Padamati Narsapuram (V), Julurupadu(M) in Khammam District in which (1) 19.2096 Ha of forest land in Chatakonda RF block in Kothagudem Forest Division (2) 4.9358 Ha of Forest land in Chinthiyala RF & Rathanagutta (Pamulapally) RF of Paloncha Forest Division and (3) 13.57 Ha Forest Land in Chatakonda & Punukula RF in Paloncha Wild Life Forest Division



Compensatory Afforestation Scheme for 27.14 Ha double degraded Forest Land at Compt.No.313, Mukamamidi Beat of Pogallapally Forest Block of Mulakalapally Range of Paloncha Division

Introduction:

The District Forest Officer, Bhadradri Kothagudem has issued instructions to identify double the degraded Forest Land for the proposed 13.57 Ha diverted in erstwhile WLM Paloncha Division to raise CA with density less than 0.4 and prepare CA Scheme for maintenance from 7-10 years in lieu of Diversion of forest land under FC Act, 1980 to an extent of 37.7154 Ha for creation of 400 KV QMDC line from the proposed 4x270MW Bhadradhri TPP near Manugoor to the proposed 400/220 KV SS at Padamati Narsapuram (V), Julurupadu(M) in Khammam District in which (1) 19.2096 Ha of forest land in Chatakonda RF block in Kothagudem Forest Division (2) 4.9358 Ha of Forest land in Chinthiyala RF & Rathanagutta (Pamulapally) RF of Paloncha Forest Division and (3) 13.57 Ha Forest Land in Chatakonda & Punukula RF in Paloncha Wild Life Forest Division including Eco Sensitive Zone proposals.

Accordingly instructions were issued by Forest Divisional Officer, Paloncha to the Forest Range Officer, Mulakalapally to identify double the degraded forest land in lieu of diversion of forest land to an extent of 13.57 Ha of Forest Land in Chatakonda & Punukula RF in Paloncha WLM Division for erection of 400 KV QMDC line from the proposed power plant in KTS. Accordingly, the Forest Range Officer, Mulakalapally was identified the following degraded forest area. The details are as follows.

Sl. No.	Range	Block	Section	Beat	Compt. No.	Area available (in Ha)
1	Mulakalap ally	Pogallapally	Muthyalampadu	Mookamamidi	313	27.14
		ar the	un derit	Notice town distributed to the	Total:	27.14

Description:

In order to improve of Natural Forests in degraded patches, 27.14 Ha area was identified in compt.No.313 of Mookamamidi Beat of Mulakalapally Range. The following activities have to be taken up to improve the degraded forests under Labour Intensive Method(LIM).

Sl. No.	Item of work	Amount (Rs.in Lakhs)
1	Digging of cattle Proof trench of 1.5 m top width, 1m bottom width and 1.00 m depth with a septa of 1m wide	0.962
2	Stabilization of Bund	0.301
3	Raising of NTSH seedlings	14.599
4	Maintenance of NTSH seedlings	0.676
5	Advance operations	3.056
6	Raising of NTSH Plantation	18.121
7	1 st year Maintenance of plantations	10.042
8	2 nd to 10 th year maintenance of plantations	99.538
9	Establishment of nursery	1.000
10	Soil and Moisture Conservation works	2.400
11	Planting agave suckers at 0.5m	0.088
12	Dibbling palmyrah nuts @3m apart	0.396
13	Civil Engineer on contract for selection of sites	0.100
14	Entry point Activities (a) Trainings and capacity buildings	0.200
	(b)Micro Plan preparation	0.200
15	Miscellaneous expenses / Administrative costs	3.144
16	Establishment and other logistic support	2.039
	Sub Total :	156.863
	2% Administrative cost	3.137
1	Grand Total:	160.000

Project Period:

It is proposed to implement the scheme from 2017-18 to 2028-29 over a period of (12) years.

Funding Agency:

The total financial out lay met by the user agency i.e., Chief Engineer, TRANSCO, Vidyut Soudha, Hyderabad who will deposit the funds with the Forest Department.

Project implementing Agency:

The Forest Divisional Officer, Paloncha will be the implementing agency for this scheme.



COMPENSATORY AFFORESTATION SCHEME FOR 27.14 Ha DOUBLE DEGRADED FOREST LAND AT COMPT.NO.313, MUKAMAMIDI BEAT OF POGALLAPALLY FOREST BLOCK OF MULAKALAPALLY RANGE OF PALONCHA DIVISION

	Unit cost			2016-1	7	lady.	2017-1	8	1118	2018-19			2019-2		T	2020-		1	2021-			2022-2			2023-2	31-73-5	I	2024-2		OF M	2025-2		ALLY	2026-		PALO	-	DIVISIO	ON			1.	
Component	the FSR 2016-17 (Rs. In lakhs)		Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.			Phy.	Rate		Phy.		Γ	Phy.	. Rate	T	Phy.	. Rate			Fin.
2	3	4	5	. 6	7	8	9	10	11	12	13	14	15	16	17	18	10	1 20	-		1					103																	1
Digging of cattle Proof trench of 1.5 m top width, 1m bottom width and 1.00 m depth with a septa of 1m wide for every 10m running trench around the peripherry of CA area	42.40	Cmt	0	42.40	0	2063	46.64			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0		0	2063	
Stabilization of Bund as per Circular No.1/2016 issued by the Prl.C.C.F., TS, Hyderabad	0.166	KMs	0	0.166	0	1.65	0.183	0.301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		166	0.201
Sub Total(I):					0			1.263	+		0.000			0.000	+	+-	+	-	-								R.	_						"		"	0	0	0	0	0	1.65	0.301
Afforestation in Degraded Forest Area.								1.203	+	-	0.000	-	+	0.000	+	+	0.000	-	1	0.000			0.000			0.000			0.000			0.000		1.1	0.000			0.000			0.000	0.000	1.263
LABOUR INTENSIVE METHOD								-	+	-	-	-	-	-	+	+	-	-	-							C BUY																	
Preliminary operations (Advance								+	+		-	-	-	-	+	+	+	_	-																								
operations) Raising of Misc. seedlings (like., NTSH, NTFP & Babmoo etc., species) Primary and Bag plants Nursery (8"x12" stages / bedy(Bamboo - 10.00 Ha - 600 /Ha, NTSH - 30.00 Ha - 1700 / Ha & NTFP - 13.04 ha - 1700 / Ha = 4000 Seedlings / Ha) 5 Beds /Ha = 265	0.210	Bed	0	0	0	50	0.23	11.55	12	0.254	3.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	14.599
Beds									Selide	. 195	or the			late		1		100		10		1								V 10						100	1	ALC:	100		1		
One Year Maintenance of Misc. seedlings (like., NTSH, NTSH, NTFP & Babmoo etc., species) Primary and Bag plants Nursery (8"x12" size bags/800 bags / bed - 2.50 beds / 1 ha)(Bamboo - 10.00 Ha -600 /Ha, NTSH - 30.00 Ha - 1700 / Ha & NTFP - 13.04 ha - 1700 / Ha = 4000 Seedlings / Ha) 5 Beds /Ha = 265 Beds (Rs. 2000/4 months = Rs. 6000 / Year / Ref.	0.009	Bed	0	0	0	0	0	0	50	0.0106	0.53	12	0.0122	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	0.676
Advance site preparation works for									-				-					-									2.																
Raising of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (27,14 Ha)	0.102	На	0	0.102	0.00	27.14	0.113	3.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27.14	3.056
Sub-total (IVA)					0.00			14.61	0		3.58			0.15	0	0	0.00	0	0	0.00	0				_																		
Creation (Raising year) Raising of NTSH plantation under		-											-				0.00	1 0		0.00	U	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			0.00			0.00	1	1	0.00	151.14	18.331
Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (27.14 Ha)	0.552	На	0	0.552	0	0	0.607	0	27.14	0.668	18.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27.14	18.121
Sub-total(IVB)					0	0		0.00	27.14		18.12	0.00		0.00	0.00	-	0.00		_					3		80																	
Maintenance of Plantations												0.00		0.00	0.00	-	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	_	0.00	0.00		0.00	0.00		0.00	0.00		0.00	27.14	18.121
Maintenance of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha)(27.14 Ha) (1st year)	0.278	На		0.278	0.00		0.31	0.00	,	0.336	0	27.14	0.370	10.042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27.14	10.042
Maintenance of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (27.14 Ha) (2nd to 10th Year maintenance)	0.184	На		0.184	0.00		0.20	0.00		0.223	0	0	0.246	0	27.14	0.270	7.330	27.14	0.297	8.063	27.14	0.327	8.869	27.14	0.359	9.756	27.14	0.395	10.732	27.14	0.435	11.805	27.14	0.478	12.986	27.14	0.526	14.284	27.14	0.579	15.713	27.14	99.538
Sub-total(VIC):					0.00			0.00			0.00	27 14		10.04	27.1			-																									
											0.00	27.14		10.04	27.14	0	7.330	27.14	0	8.063	27.14	0	8.869	27.14	0	9.76	27.14	0	10.73	27.14	0	11.81	27.14		12.99	27.14		14.28	27.14		15 712	27.14	109.580

112	01	1
0	57	
-	1	

	Unit cost	1 1		2016-1	7		2017-1	18		2018-1	9		2019-2	0		2020-21		a ^t	2021-22	2		2022-23			2023-24	1	20	024-25			2025-26	6	1	2026-2	27		2027-	28		2028-29		т	otal
	the FSR 2016-17 (Rs. In lakhs)	Unit	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy. I	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Fin.
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	28	29	30	31	32	33	34	35	36	37	38	30	40	41	42	43	44	45
Nursery infrastructure:			Paris =		132																100					112								- 50		1	3,	40	41	42	43	44	45
Establishment of Nursery	1.00	No.	0	0	0	1	LS	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.000
S. Total (V)					0.000		, a a	1.000			0.000			0.000			0.000			0.000			0.000		_	0.000			0.000	-	-	0.000	0	0	0.000	0	0	0.000	0	0	0.000	1.00	1.000
Soil and moisture conservation works																					. a 27											0.000			0.000		0	0.000		0	0.000	1.00	1.000
Formation of Mini perculation Tanks	1.20	Nos	0	0	0	1	1.20	1.200	1	1.20	1.200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.400
S. Total (VI)					0.000			1.200			1.200			0.000			0.000			0.000			0.000	0.000		0.000		1	0.000		77	0.000			0.000	-		0.000	-	_	0.000	2	2.400
Vegetative measures		-																		2															0.000	1		0.000	-		0.000		2.400
i) Planting agave suckers at 0.5m apart including cost and conveyance	0.00	0	0	0	0	0	0	0	0.20	0.44	0.088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0.088
ii) Dibbling Palmyrah nuts @ 3m apart on mounds over 30 kms including pretreatment	0.00	Each	0	0	0	0	0	0	0.15	2.64	0.396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,396
					0.000		+	0.000	+	_	0.484	1	1	0.000			0.000			0.000			0.000		_	0.000		-	000			0.000				-							
Civil Engineer on contract for slection of sites and preparation of estimates of	10000	Each/	0	0	0	1	0.10	0.100	0	0	0	0	0	0	0	0	0.000	0	0	0.000								1	0.000			0.000			0.000			0.000			0.000	0.35	0.484
SMC structures Sub-total(VIC):		month	Ů		1		0.10						"		0	0		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.100
Entry Point activities					0.000	-	-	0.100	-	+	0.000	-		0.000			0.000			0.000		_	0.000	0.000		0.000			0.000			0.000			0.000			0.000			0.000	1	0.100
a) Trainings and capacity building	10000	Each	0		0.000	-	-														1.0.1																						
		-			0.000		LS		-	LS	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.200
b) Micro plan preparation SubTotal (VII)	5000	Each	0	-	0.000	-		0.200	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 -	0	4	0.200
Miscellaneous expenses /		-		-	0.000	5	-	0.300	1	+	0.100	0	-	0.000	0		0.000	0		0.000	0	_	0.000	0		0.000	0		0 (0.000		0.000	0.000		0.000	0.000		0.000	0.000		0.000	6	0.400
Adminisrative costs																																											
a) Office expenses like stationery,										1-11																100		-		-	-	100		-						Si de la constantina della con			
computer peripherals, computer maintenance, electricity and telephone charges etc	1.00	LS	0	0	0	0	LS	0.500	0	LS	0.500	0	LS	0.500	0	LS	0.500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.000
b) Purchase of GPS and other equipment	LS	Nos	0		. 0	1		1.144	0	2	0.000	0		0.000	. 0		0.000	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	
SubTotal (VIII)		+	-		0.000	+	-	1	+	+-	+	-	+		-																				Ů	Ů	U		0	0	0	1	1.144
II Establishment and other logistic sup				_	0.000	-	-	1.644	-	+-	0.500	-	+	0.500	-		0.500			0.000	-		0.000			0.000	_	0	0.000			0.000			0.000			0.000			0.000	1	3.144
									1	1				l								_		-		1		-	-+	\rightarrow	-+	70.0				100							
a)Publicity including of Erection of Signboards, construction of pedastals @ 0.25 lakh for each Range.	LS	Nos	0		0	1	LS	1.000	1	LS	1.039	0	0	0	0		0.000	0.00	0.00	0.000	0.000	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.039
SubTotal (IX)					0.000			1.000			1.039			0.0000			0.000			0.000	0.00		0.000	-+	_	0.000	_	-	.000	-	+	0.000			0.000			0.000			0.000	_	2.020
Total:					0.000			21.113			25.023			10.688		-	7.830			8.063			8.869	\dashv		9.756	_	_	0.732	_	_	11.805			12.986		-	2000000	-		0.000	2	2.039
Monitoring and evaluation (2% of the treatment cost)	0	0	0	0	0.000	0	0	0.422	0	0	0.500	0	0	0.214	0	0	0.157	0	0	0.161	0	_	0.177	0		0.195	0		.215	0	_	0.236	0	0	0.260	0	0	0.286	0		0.314	0	3.137
GRAND TOTAL:					0.000		+	21.535	5		25.524			10.902			7.987			8.224	-	-	9.047	-		9.951		_	0.947		-						_						
		1												10,702			1.501			0.224			3.047			9.951		10	0.947			12.041			13.245			14.570			16.027	27.14	160.000

Unit Cost for Raising of Misc., Nursery (5x9) during 2016-17

S	FSR Cod	9				Rate in F	Rs.	T		T
0.	No.	Item of work		Qty	Asper FSR	Agency allowan ce 25%	Total		Per	Amount
1		3		4	5	6	7	-	0	-
•		PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the							8	9
		medium.				0.0 0.0				1 2 8 -
1	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	1	Bed	4.32	1.08	5.40		1 Bed	5.4
2	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	1	Bed	33.26	8.32	41.58		1 Bed	41.58
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	25.45	6.36	31.81	-	1 Bed	31.81
4	01.01.05	For every extra km beyond 5 km upto 25 km	1	Bed	1.01	0	1.01		I Pad	
5	01.01.06	Cost and transport of 0.025 cum FYM	-	Bed	21.87	0	21.87	-	Bed Bed	25.25 21.87
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 lavelling.	1	Bed	9.45	2.36	11.81		Bed	11.81
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	10.80	2.70	13.50	- 1	Bed	-13.50
3	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	Bed	A/a					500.00
,	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	10.75	2.69	13.44	1	Bed	13.44
0		Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	1	Bed	12.10	3.03	15.13	1	Bed	30.25
1	01.01.15	Cost of chemicals, fungicide and insecticide	1	Bed	As per a	nctuals limi seedlings i				55.09
		Watch and Ward	1	Но	7500	0.00	150.00	3	Months	450.00
2		BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in June - July. Hence the bags are to be filled during April-May when the soil is dry.	The state of the s				4.53.1	-	S.TOTAL::	750.00
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M).							286	

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_	1 7 7					F	Rate	in Rs.					
F:	SR Code No.	Item of work	Q	ty		Acnor	Ager allov ce 2	wan	Total		Per		Amount
-	127	3	-	1		5	6		7	9 8	8		9
(01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	1 1	los		44.12	11.	.03	55.15	1	Bed	1	55.15
	- 1	Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.											•
-	01.03.04	12.5 cm x 22.5 cm (5" x 9") size bags of 200 g: 366 bags / kg	5	Kgs	s	156.00	0.	.00	156.00	1	Kg		780.00
	2	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.											
+		Transportation of soil mixture ingredients					_				+		
)	01.03.06	a) Distance up to 5 km 12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for	1700	No	os	348.00	0	0.00	348.00	100	ONO	os	591.60
"		b) For every extra km beyond 5 km upto 25 km											
	01.03.08	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	1700	N	os	90.70	(0.00	90.70	100	0 14	os	3083.80
15		Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.	3										
	01.03.1	1Ded		1 0	los	830.95	5 2	07.74	1038.69	10	100	los	1765.77
16	01.03.1	Inspection parts etc		1 1	3ed	6.59	_	1.65	8.24	-	+	Bed	8.24
17	01.03.1	Ittausplanting into polybags		00	Nos	122.74	4	30.69	153.43	~10	00	Nos	260.8
18	01.03.1	including cost of treatment	gs 170	00	Nos	73.01		18.25	91.26	10	000	Nos	155.1
1	9	Watering the plants twice a day from July October a) Manually with rose spray or finely perforate					-		207.74	-	1	Bed/ Month	1786.4
2	01.03.	a) Manually with rose spray of finely periodal nozzle attached to a hose pipe Weeding the plants from July to October	1	1	Bed	238.1	9	59.55	297.74	-		- mondi	
_	-	times)	-	1	Bed	43.7	1	10.94	54.68	+	1	Bed/	54.0
-	01.03.	2nd weeding - Aug			Bed	43.7	\dashv	10.94	54.68	+	1	Weeding Bed/ Weeding	54.
-	01.03.	3rd weeding - Sept			Bed	43.7	-	10.94	54.68		1	Bed/ Weeding	54.
	21	Shifting, Grading and rearranging in beds of 10 m size beds (2600 no. of 4"x7"bags; 1700 no. 5"x9" bags)	x1 of										
1	01.03	.19 One Grading in Sept.		1	Bed	204.	.28	51.07	255.3	5		1 Shifting	255.
	01.03	Replacement of casualties after sorting out empty bags and keeping at one end of the (maximum 10% of total stock is permissible)	the		1 Bed	58.0	00	14.50	72.50			1 Bed	72.

*

SI.	FSR Cod					Rate in	Rs.	100		
N o. 1	No.	Item of work		Qty	Asper FSR	Agency allowa ce 25%	Total		Per	Amount
24		Cost of Protection: One N		4	5	6	7	1	8	9
	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 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 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak bedsor 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 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.		No	7500	0.00	150.00	5	Months	750.0
5	01.03.51	oil engine and store register for materials purchased.	As per	r actuals	, subject t	to max. of	5 % of estin	nate in A	Maint. Year.	438.73
+		经产品的证据 化二甲基苯酚 化二甲基苯酚							S.TOTAL::	9213.39
+							Unit Rate as	per FS	R 2016-17::	21196.51
+							A	dd 10%	escalation::	2120.00
+				. TO	Total	unit rate	arrived for	the yea	r 2017-18::	23316.51
+							Ad	dd 10%	escalation::	2332.00
+					Total	unit rate	arrived for	the yea	r 2018-19::	25648.51
+							Ac	dd 10%	escalation::	2565.00
+					Total	unit rate	arrived for	the yea	r 2019-20::	28213,51
+									escalation::	2821.00
1			-		Total	unit rate			r 2020-21::	31034.51

1		R Cod	Item of work		1.				Rate	in Rs.		T		-
1 23	1					Qty		Asper FSR	Agen allow ce 25	cy an T	otal		Per	Ari
1	1	03.21	Cost of foliar nutritient formulations like multi or NPK-19:19:19; fungicides and		-	4		5	6	-	_			
	"	3.21	or NPK-19:19:19; fungicides and insecticides fully to Oct.	plex	1						7		8	
24	0.		Weeding in the	OIII		1 Bed	1'	es per	actuals	with a n	naximi	ım lim	of Rs. Rs.	1
	01.0	3.23	Weeding in the space between the beds, inspect	tirin	-	-			ooo/ pe	r 1 lakh	polyba	g seed	dlings.	1
25			3 - Hursery			1 Bed	29	9.81					T	
			Watch and Ward	-		-			7.45	37.	26		1 Bed	
			The state of the s			1 No	7:	500	0.00	450				
26			CONVERSION of RT plants or 4"x7" or 5"x9" be			11:16:	13 19 18	-	0.00	150	00	6	Months	21
		- 1	plants into higher size bags - to be done duri	ag-		-	-			11 11 11 1			S.TOTAL:	
			lovember - December. At the time of conversion he height of the plants should be	ing									1	1123
-		1	he height of the plants should be at least about the height (excluding the height).	on,										
		10	.45m in height (excluding the height of polybag).	ve				8		1				
+								1						
		C	ost and Transport of Ingredients for Pottir ixture: Red Soil, tank-silt, EXII.							1				×
		M	ixture: Red Soil, tank-silt, FYM in 2:1:1 ratio. T	ng			-	-						
		th	is soil mixture, 220 gm of Indophyll M-45, 4.5 k	0	-		1.			1				
1		of	single super phosphate (SSP) and 250 gm or orate granules per 1 cum of a control of the control	g			1	- 1			1			
		lbi.	orate granules per 1 cum of potting mixture will added. Cost of chemicals is a	11						-	Ĭ			
		100	added. Cost of chemicals is as per actuals.	"										
T				1			1							
		(6)	ansportation of soil mixture ingredients Distance up to 5 km	1	-		-							
1	02.0			+	-		-	-			-			
U	.03.2	8	c 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	1	-		-	-			_			
				8	100 N	os	864.0	5 21	6.01	1080.06	1	neil		
		1	or every extra km beyond 5 km upto 25 km		+		-	-			1	000 N	os	864.
04	02.2													
U1	.03.33	1 ^	9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)		-			-						•
- 0				8(00 No	05	218.70	54	.68	273.38	1	000 No		-
		vari	paration of Potting Mixture by powdering of		1			+-		5.50	"	NO	5	4374.0
		pres	cribed proportion: energy and mixing them in											
					1						1			
						- 1					1			
						- 1		1						
								1						
					1			1						
		size":	800 bag plants per bed)		1			1						,
					1	- 1								
11 0	3.38	5" x 9	" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)											
, 1.0	3.38		2 polybags (3.82 - 1.12 = 2.70 cum)	800	Nos		470 45							
	7	Weed	ing the plants (1100 no. of 6"x12"bags; 800 no.	500	1405	_ 1	478.68	369.	67 1	848.35	100	0 Nos	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1478.68
	- 1		12 bags, and 400 no. of 10"v16" harry						-					. ,, 0.08
	- 1	TOTAL	ibel - March: 2 Weedings	_ = =										
1.03	3.44	st we	reding - December								•			
1.03	.45	2nd w	eeding - February	_	Bed		43.74	10.9	4 5	4.68	-	Bed		
	.46	hiftin	g, Grading and rearranging in secondary beds	1	Bed		43.74	10.9	-	4.68		Bed		54.68
	-40	One	Grading in February	1	Bed	2	04.28	E4 0				Bed/		54.68
	I	Vater	ng the plants manually twice a day (from				04.20	51.07	/ 2!	55.35	1	Weed		255.35
	1	lovem	ebr - March) with rose spray or finely									1,,680	unig	
	p	erfor	ated nozzle attached to a hose pipe.	1			9							
	- [accused to a nose pipe.	1		1				1				
		anua	ly with rose							- 1				
.03	.47 n	07716	ly with rose spray or finely perforated attached to a hose pipe	1	Bed	-	20.40					1		
		ost of	foliar nutrition (_'	ההת		38.19	59.55	29	7.74	• 1	Bed/	month	893.22
.03.	50 0	NDK	foliar nutritient formulations like multiplex	T	0		Ac no-							
	ا بد		-19:19:19; fungicides and insecticides from	1 1	Bed	1	As per a	ctuals	with a i	maximur	n limit	of Rs.	. Rs.	
į	1.10	uly to	Oct.	0.51		1	20	00/	- 4 1-1.1	polybag				50.00

ESTIMATE FOR MAINTENANCE OF MISC. BAG PLANTS NURSERY (FROM SEPTEMBER ONWARDS TILL DISPOSAL) DURING 2016-17

Sl. No.	Name of the Work	FSR Item No.	Qty	Rate	25% agency	Per	Amount
1	2	3	4		5	6	7
1	Watering the plants for 10 m X 1 m size bed	01.05.01	1	144.50	180.625	bed	• 181
2	Shifting and grading and rearranging in beds for 10mx1m size bed with prior return permission of Circle Head	01.05.02	1.	186.84	233.55	bed/1.time	. 234
3	Cost of protection (September, 2016 to March, 2017)	01.05.04	4	7500	14,50 <u>- 1</u>	Months	500
					Unit cost fo	or 2016-17:	914
					Add 10%	escalation::	91
			Total unit ra	ate arrived	for the year	ar 2017-18::	1005
					Add 10%	escalation::	101
			Total unit ra	ate arrived	for the year	ar 2018-19::	1106
					Add 10%	escalation::	. 111
			Total unit ra	ate arrived	for the year	ar 2019-20::	1217

965-

Unit Cost for Advance Operations under Labour Intensive Method during 2016-17

	T	Espacement 3 x 3 M				Name of	h- C- 1			
Sl.	FSR Code					Name of t		es : N	TFP	T
No.	No.	Item of work		Qty	Asper_ FSR	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-		Per	Amoun
1		3		4	5	6	7		8	-
	02.01.02	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 by end of December.	, N	1 No.	311.04	0.00	311.04		1 No.	311
2	s c	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 excuded from the clearing opearation and the expenditure shall be ncurred for effective area only. All the above operations shall be completed before December.								
0	2.01.04 gi	Light Jungle Growth (> 20% and upto 0% ground area covered with Jungle rowth) with prior written approval of FO based on field inspection of DFO.	1	На	5207.65	1301.91	6509.56	1	На	6510
0	2.01.05 Fo	ormation of Fire Lines	400	RMT	682.99	170.75	853.74	100	RMT	3415
1-					101.7	Unit Rate	as per FSR	2016	-17::	10236
						Ac	ld 10% es	scalat	ion::	1024
						Ur	it Rate fo	r 201	7-18	11260
						Ac	ld 10% es it Rate fo	calat	on::	1126 12386

Unit Cost for Raising of NTSH plantation (LIM) as per FSR 2016-17

Ci	For			-		Rate	Espacem	ent	3X3	
SI No		Item of work		Qty	Rat	(inclusive	Total Rate		Per	Amoun
			-	4	5	6	7	-	8	-
1	02.01.0	Alignment and staking including base line						-	1	9
	02.01.0	(51.27.5111)	11	11 No	s 98.77	24.69	122.46	-		
2	02.01.0	Cost of preparation of stakes 0.45 m length and transportation to site	11	11 No		0.00	123.46 47.30		0 Nos	526
		Digging of Pits - Manual (As per RSSR): All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of caualties.					•			
3	02.01.15	ii) 45 cm ³ pits (June-July)	1111	Nos	14.98	2.75		-		
		Transportation of Planting Stock (including loading		1100	14.56	3.75	18.73	1	Nos	20803
		and unloading) Including Casualties		11.2	traffic.					
-	02.02.03	20 X 30 cm (8"X12") bag plants upto 5 kms	1111	Nos	173.49	0.00	173.49	100	Nos	1927
	02.02.06	20 X 30 cm (8"X12") bag plants beyond 5 kms(20kms)	1111	Nos	6.75	0.00	135.00	100	Nos	1500
1		Internal transportation to planting points on head loads			·				-	
1	02.02.12	20 X 30 cm (8"X12") bag plants	1111	Nos	117.94	29.49	147.43	100	Nos	1638
	02.02.13	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	1111	Nos	32.62	8.16	40.78	100 1	Vos	453
	02.02.14	Cost of SSP, Chloridine dust (50 gm) or	85	Kgs	6.00	0.00				
1	02.02.16	Chloropyriphos Planting in 45cm	1111		363.366	90.84	6.00	1 K		510
	02.09.29	Replacement of casuvalities		00		70.04	454.21	1001	103	5046
0	2.01.15	Diggingg of 45 cm cube pits	278	Nos	7.49	1.87	9.36	111	los	2603
		Fertilizer Application for boosting growth				-				•
	02.02.18	Cost of DAP @ 25 gm / planting point	42	Kgs	. 20.00	0.00	20.00	1 K	g	840
	02.02.19	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application	1111	Nos	32.62	8.16	40.78	100		453

-	-		WEEDING & SOIL WORKING		T	1	-			
1	5 02.0	2.20	a) Circular weeding to a radius of 0.50 m around the plant (during July - Aug)	id 111	1 Nos	+				
L	02.0	2.21	b) 2 nd circular weeding to a radius of 0.50 m arouthe plant 90 days after planting (i.e. Sept - Oct)		-			129.74	100 N	los 1
16	02.02		c) Deep soil working to a radius of 0.5 m and to a		Nos	103.79	25.95	129.74	100 N	05 14
	02.02	.22 [i]	lamaging the plant (to be carried out during Nov - Ordinary soil	ut 1111	Nos	363.37	90.84	454.21	100 No	os 504
	z i	re	duce the competition over the entire area duly							307
	<u>.</u>	un	t material in between the planting and placing the dertaken during July-August)							
17	02.02.2	5 Hi Kh	gh rainfall zone> 800 mm (for Warangal< ammam & Adilabad circle)	1 H	la 1	215.43	303.86	1519.29		
	02.09.38	ha; Con Wat Jour satis prope stopp	st of Protection: One Watcher is allowed for 10- na. plantation; One more Watcher for more than 30 and if the area is less than 10 ha, prior approval of servator of Forests is required. Identity Photo of chers shall be pasted in respective Plantation nal. Every month payment to be made after faction by Plantation-in-charge that fence is in er condition and entry of grazing animals is ned. The guiding principle for continuation of the tess of a Plantation Watcher is at least 80% val at the end of raising year.	1 Ha	750	00	0.00	7500	8 Mont	6000
		Misc.	like plantation board etc		-					
					1	-	Unit P			2062
					1	_	Unit Kat	e as per FSR	2016-17::	55180
					To	otal unit	rate appli	Add 10% esc	alation::	5518
						1	are arrived	for the year 2	017-18::	60698
				1 1	To	tal unit r	ate arrive?	Add 10% esc	alation::	6070
							arrived	for the year 2. Add 10% esca	018-19::	66768



Unit Cost for 1st Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

FSR Code Espacement No. No. Rate Item of work (inclusive Qty Rate Total of 25% 1 Per Rate Allowanc Amount 3 6) 5 Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no 6 8 casualty replacement). The list of all casualty points shall be prepared by Q 02.03.01 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. 2 02.01.15 45 cm³ pits (June-July) Transportation of Planting Stock (including loading and 278 Nos 14.98 unloading) Including Casualties 3.75 18.73 1 Nos 5206 02.02.03 20 X 30 cm (8"X12") bag plants upto 5 kms 02.02.06 20 X 30 cm (8"X12") bag plants beyond 5 kms(20kms) 278 Nos 173.49 173.49 100 Nos 432 Internal transportation to planting points on head loads 278 Nos 6.75 0.00 -135.00 100 Nos 375 02.02.12 20 X 30 cm (8"X12") bag plants Application of 50 gm of SSP per pit (1 day before planting) 02.02.13 278 Nos 117.94 for root growth and early establishment of plant after 29.49 147.43 100 Nos 410 278 Nos 02.02.14 32.62 Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos 8.16 40.78 100 Nos 113 278 02.02.16 Planting in 45cm As per actual 70 WEEDING & SOIL WORKING (To be carried out after replacement 278 Nos 363.366 90.84 454.21 100 Nos 1263 a) 1st Circular weeding to a radius of 0.50 m around the plant during July 02.03.02 1111 Nos b) 2nd Circular weeding to a radius of 0.50 m around the plant during 103.79 10 25.95 129.74 100 Nos 02.03.03 1441 1171 Nos 103.79 c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be 25.95 129.74 100 Nos done by pick-axe only) without damaging the plant (to be carried out 1441 12 02.03.04 i) For ordinary soil Cutting of coppice growth flush to the ground to reduce the competition 1111 Nos 13 363.366 90.84 over the entire area duly retaining useful species after planting and 454.21 100 Nos 5046 High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad 02.03.07 Pruning of lower branch initials of Timber and NTFP species by 1 Ha 1215.43 14 303.86 02,03.08 scicature upto 1/3 rd height during October. 1519.29 1 Nos 1519 1111 Nos 103.194 25.80 128.99 100 Nos Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 1433 One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. 02.09.38 Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals 1 Ha 7500 12 Mont 0.00 7500 is stopped. The guiding principle for continuation of the services of a 9000 Plantation Watcher is at least 80% survival at the end of raising year. Unit Rate for 2016-17 27799 Add 10% escalation:: 2780 Total unit rate arrived for the year 2017-18:: 30579 Add 10% escalation:: 3058 Total unit rate arrived for the year 2018-19:: 33637 Add 10% escalation: 3364 Total unit rate arrived for the year 2019-20:: 37001 Add 10% escalation:: Total unit rate arrived for the year 2020-21:: 3700 40701

Unit Cost for 2nd Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

	1			na:			Espacemen		3X3	
SI. No.	No.	e Item of work	· c	Qty	Rate	Rate (inclusive of 25% Allowanc e)	Total Rate		Per	Amount
		3		4	5	6				1
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)			-	0		+	8	9
1	02.04.01	a) 1st Circular weeding to a radius of 0.50 m around the plant during July Aug	1111	Nos	103.79	25.95	129.74	100	Nos	1441
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	129.74	100	Nos	1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				•				
3	02.04.03	i) For ordinary soil	1111	Nos	363.366	90.84	454.21	100		
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and				70.07	7,71,21	100	Nos	5046
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	Ha	1215.43	303.86	1519.29	1	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha, and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500	1 1/1	Mont hs	9000
+							Unit Rate f	or 201	6-17	18447
+							Add 10%			1845
+					Total un	it rate arrive	d for the yea	r 2017	-18::	20292
-				de i			Add 10%	escalat	ion::	2029
-					Total un	it rate arrive	d for the yea	r 2018	-19::	2232.1
+							Add 10%	escalat	ion::	2232
\top			0.0		Total un	it rate arrive	d for the yea	r 2019	-20::	2455.3
+						•	Add 10%	escalat	ion::	2455
1					Total un	it rate arrive	d for the yea	r 2020	-21::	27003
			-				Add 10%	escalat	ion::	2701
					Total un	it rate arrive	d for the year	r 2021	-22::	29709

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Unit Cost for 3rd Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

							Espacement		•
SI. No.	No.	ltem of work		Qty	Rate	Rate (inclusive of 25% Allowanc	Total Rate	Per	Amoun
1	2		-	4	5	e)			nd in the
		WEEDING & SOIL WORKING (To be carried out after replacement	-	7	- 5	6	7	8	9
	1	of casualties are over)							
1	02.04.01	a) 1st Circular weeding to a radius of 0.50 m around the plant during July Aug	111	1 Nos	103.79	25.95	129.74	100 Nos	1441
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	129.74	100 Nos	1141
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)							
3	02.04.03	i) For ordinary soil	1111	Nos	363.366	00.84			
1		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and		11103	303.300	90.84	454.21	100 Nos	5046
4	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	На	1215.43	303.86	1519.29	1 Nos	1519
	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500	12 Mont hs	9000
4							Unit Rate fo		18447
+					Total		Add 10%	escalation::	1845
+			-		Total uni	t rate arrive	d for the yea	r 2017-18::	• 20292
+					Total uni	t rate arrive	Add 10% o	escalation::	202')
+					T	Tate arrive	Add 10%	r 2018-19::	2237.1
+					Total uni	t rate arrive	d for the year	scalation::	2232
+							Add 10% e	scalation.	24553
†	7				Total uni	t rate arrive	d for the year	2020-21.	27003
1							Add 10% c	scalation::	2701
T					Total uni	t rate arrive	d for the year	2021-22::	29709
							Add 10% e	scalation	2971
					Total uni	t rate arrive	I for the year	2022-23::	32680
							Add 10% e	scalation::	3268
					Total unit	t rate arrived	for the year	2023.24.	35948

Forest Divisional Officer

Paloncha

Unit Cost for 4th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

1			1				Espaceme		3X3	
SI. No.		Item of work		Qty	Rate	Rate (inclusive of 25% Allowand	Total		Per .	Amoun
<u> </u>	-	3	-	4	5	e)	-			1.
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		T		6	7		8	9
1	02.04.01	a) 1 st Circular weeding to a radius of 0.50 m around the plant during July	.111	1 Nos	103.79	25.95	129.74	100	Nos	
2	02.04.02	 b) 2nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct 	111	1 Nos	103.79	25.95		-		1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)			1001/	23.73	129.74	100	Nos	1441
3	02.04.03	i) For ordinary soil		-	-					
4		Cutting of coppice growth flush to the ground to reduce the competition	1111	Nos	363.366	90.84	454.21	100	Nos	5046
-		sale of the area duly relating useful species after planting and								
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad	1	На	1215.43	303.86	1510.20			
					12.5.15	303.00	1519.29	1	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500	12	Mont	9000
-							Unit Rate f			18447
+					Tutal		Add 10%	escalat	ion::	1845
+					1 otal uni	t rate arriv	ed for the yea	r 2017	-18::	20292
-			-		Total uni	t rate avvis	Add 10% ed for the yea	escalat	ion::	2029
+						trate arriv	Add 10%	r 2018	-19::	22321
+					Total uni	t rate arriv	ed for the yea	r 2010	20	2232 24553
+	-					- 1	Add 10%	escalati	on	2455
+					Total uni	t rate arriv	ed for the yea	r 2020-	21::	27003
							Add 10% e	scalati	on::	2701
					Total uni	t rate arriv	ed for the year	r 2021-	22::	29700
							Add 10% e	scalati	on::	2971
					Total unit	rate arrive	ed for the year	r 2022-	23::	32680
					77.4		Add 10% c	scalati	on::	3268
				-	Total unit	rate arrive	ed for the year			35948
				-	Table	-	Add 10% c	scalati	on::	3595
			-	-	Lotal unit	rate arrive	ed for the year			39543
				-	T-4:		Add 10% e	scalati	on::	3954
					Lotal unit	rate arrive	d for the year	2025-	26	43497

Unit Cost for 5th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

	1		T		T	Rate	Espacemen	T .	3X3	
SI. No.	No.	e Item of work		Qty	Rate	of 25% Allowand	Total		Per	Amount
	2	3	-	4	5	e)		-		
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		Ì	-	0.	7	÷	8	9
1	02.04.01	a) 1st Circular weeding to a radius of 0.50 m around the plant during July Aug	111	1 Nos	103.79	25.95	129.74	100	Nos	1441
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	111	1 Nos	103.79	25.95	129.74	100	Nos	1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)								
3	02.04.03	i) For ordinary soil	1111	Nos	262.266					
4		Cutting of coppice growth flush to the ground to reduce the competition	111.1	INOS	363.366	90.84	454.21	100	Nos	5046
\dashv		over the conne area duly retaining useful species after planting and				9				
-	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	. 1	На	1215.43	303.86	1519.29	1	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500	12	Mont hs	9000
-							Unit Rate fo			18447
-			1		Total		Add 10% e	escalat	lion::	1845
				-	1 otal un	it rate arriv	ved for the year	r 2017	-18::	20272
- -					Total		Add 10% e	scalat	ion::	2029
-					10tal un	it rate arriv	ed for the year	r 2018	-19::	22321
-			7		Total un	it rate arriv	Add 10% e	scalat	ion::	223 2
-					- X Ottal Will	it rate arriv	Add 10% e	2019	-20::	24553
					Total un	it rate arriv	ed for the year	· 2020	21	2455
1						T	Add 10% e	scalat	ion	27013
1					Total un	it rate arriv	ed for the year	2021	-22	29709
							Add 10% e	scalati	ion::	2971
					Total uni	t rate arriv	ed for the year	2022	-23::	32680
						7	Add 10% e	scalati	ion::	3268
	3				Total uni	t rate arriv	ed for the year	2023-	24::	35943
					17.		Add 10% e:	scalati	ion::	3595
	-				Total uni	t rate arriv	ed for the year	2024-	25::	3954.3
T							Add 10% c:	scalati	on::	3954
-					Total uni	t rate arriv	ed for the year	2025	26	43497

Unit Cost for 6th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

	1	Espacement 3X3								
SI. No.	FSR Code No.	Item of work	Q	ty	Rate	Rate (inclusive of 25% Allowanc e)	Total Rate	Per	Amou	ınt
1	2	3	-	1	5	6	7	8	9	
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)							,	
1	02.04.01	a) 1 st Circular weeding to a radius of 0.50 m around the plant during July - Aug	1111	Nos	103.79	25.95	129.74	100 No	1441	1
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	129.74	100 No	s 1441	1
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)								
3	02.04.03	i) For ordinary soil	1111	Nos	363.366	90.84	454.21	100 No	s 5046	
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and						1001110	3 3040	-
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	.1	Ha	1215.43	303.86	1519.29	1 No	s 1519	9
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation, One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	На	7500	0.00	7500	12 Mo	nt 9000	0
				Wild.			" Unit Rate	for 2016-	17 1844	17
							Add 10%	escalatio	n:: 1845	5
					Total 1	ınit rate arri	ived for the ye	ar 2017-1	8:: 2029	12.
								escalatio		-
				-	Total t	unit rate arri	ived for the ye			-
-				-		J	Add 10%			
				-	Total	unit rate arri	ived for the ye			
				-	Total	Luit vata ave	ived for the ye	escalatio		-
-				-	Journ	unit rate arr	Add 10%			-
				-	Total	unit rate arr	ived for the ye			
				-	- Autal	T THE ATT		escalatio		-
					Total	unit rate arr	ived for the ye			
								escalatio		-
			1 - 12		Total	unit rate arr	ived for the ye			-
							Add 10%	escalatio	n:: 3595	5
-			1-12		Total	unit rate arr	ived for the ye	ear 2024-2	25:: 3954	13
							Add 10%	escalation	on:: 3954	4
	1.8				Total	unit rate arr	ived for the ye	ear 2025-2	26:: 4349	97

Unit Cost for 7th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

			T-	2102			Espacemer	it :	3X3	
SI. No.	FSR Cod No.	Item of work		Qty	Rate	Rate (inclusive of 25% Allowance)	Total		Per	Amount
	-	3	- 3	4	5	6				
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		T		0	7	-	8	9
1	02.04.01	a) 1^{st} Circular weeding to a radius of 0.50 m around the plant during July Aug	1111	Nos	103.79	25.95	129.74	100	Nos	1441
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	129.74	100	Nos	1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)								
3	02.04.03	i) For ordinary soil			-					
4		Cutting of coppice growth flush to the ground to reduce the competition	1111	Nos	363,366	90.84	454.21	100	Nos	. 5046
-		over the charte area duty retaining useful species after planting and				-				
\dashv	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	Ha	1215.43	303.86	1519.29	11	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha, and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500	12 h	Mont	9000
_							Unit Rate fo			18447
1				-	T-4-1		Add 10%	escalati	ion::	1845
_			-		1 otal un	it rate arris	ed for the yea			20292
			-		T-4-1		Add 10% e	scalati	ion::	2029
					Lotal uni	it rate arriv	ed for the year			22321
					Tital		Add 10% e	scalati	on::	2232
	0.0		-		1 otal uni	it rate arriv	ed for the year			24553
_					Total uni	it rate avvis	Add 10% e	scalati	on::	2455
-			-		A VIAL UIII	trate arriv	Add 10% e			27008
+					Total uni	t rate arriv	ed for the year	- 2021	22	2701
-			-			The arrive	Add 10% e			29709 2971
1					Total uni	t rate arriv	ed for the year			32680
1						1	Add 10% e			3268
_					Total uni	t rate arrive	ed for the year			35948
			-			Tare artis	Add 10% e			3595
_			-		77.4.1	4				-
1					I Ofal uni		ed for the ver-	2024	75	30542
+					1 otal uni	t rate arriv	ed for the year Add 10% e			39543

Unit Cost for 8th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

		Tamicalience of NTS					Espaceme		3X3	
SI. No.	FSR Cod No.	e Item of work		Qty	Rate	Rate (inclusive of 25% Allowand	Total		Per	Amou
	-	3	-	4	-	e)	1 1			1 1 2 2 1 1
	-	WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		Ť	5	6	7	-	8	9
1	02.04.01	a) 1 st Circular weeding to a radius of 0.50 m around the plant during July	111	1 Nos	103.79	25.95	129.74	100	Nos	
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	•	-		1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				23.73	129.74	100	Nos	1441
3	02.04.03	i) For ordinary soil	1111	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1262 211					
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and	1111	1405	363.366	90.84	454.21	100	Nos	5046
	02.04.06	rangal zone > 800 mm (for Warangal Khamman & A.C.)	-	-	-					
1		Circle)	1	Ha	1215.43	303.86	1519.29	1	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha, plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	7500		is	9000
+			-				Unit Rate fo			18447
-							Add 10% e	scalati	on::	1845
-					Total unit	rate arrive	ed for the year	2017-	18::	20292
- -				-		1	Add 10% e	scalati		2029
_	-				Total unit	rate arrive	d for the year	2018-	19::	22321
			-				Add 10% e	scalati	on··	2232
					Total unit	rate arrive	d for the year	2019-	20	24553
						100	Add 10% c	scalati	on	2455
					Total unit	rate arrive	d for the year	2020-	21::	27008
							Add 10% c	calati	nn::	2701
1					Total unit	rate arrive	d for the year	2021-	22	29709
							Add 10% c	coloti		2971
1					Total unit	rate arrive	d for the year	2022	23	
+-							Add 10% es	col-t'	-	,32680
+-			0, 1.		Total unit	rate arriva	d for the year	2022	711::	3268
-			_	-	- June Wille	ante arrive	Add 100	2023-	4::	35948
-			-		Total'	vata a	Add 10% es	calatio	n::	3595
			-	-	Total unit	rate arrive	d for the year			39543
							Add 10% es	calatio	n::	3954
					Lotal unit	rate arrive	l for the year			43497
1							Add 10% es			4350
1					Total unit	rate arrive	d for the year	2026-2	27::	47847
1							Add 10% es	colotic		4785
1							for the year			4/85

Unit Cost for 9th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

	-				1	Rate	Espacemen	t .	3X3	
SI. No.	FSR Code No.	Item of work	Q	ty	Rate	(inclusive of 25% Allowanc e)	Total		Per	Amount
<u>'</u>		3	-	1	5	6	7	-	0	
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)				1		+	8	9
1	02.04.01	a) 1^{st} Circular weeding to a radius of 0.50 m around the plant during July Aug	1111	Nos	103.79	25.95	129.74	100	Nos	, 1441
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	Nos	103.79	25.95	129.74	100	Nos	1441
		c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)								
3	02.04.03	i) For ordinary soil	1111	Nos	363.366	00.04				
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and		1103	303.366	90.84	454.21	100	Nos	5046
-	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	На	1215.43	303.86	1519.29	1	Nos	1519
5	02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-incharge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	1	Ha	7500	0.00	<u>,</u> 7500	121	Mont hs	9000
-							Unit Rate fo	or 201	16-17	18447
-							Add 10%			
4				Mr.	Total ur	it rate arri	ved for the yea	r 2017	7-18	1845 20292
4						T	Add 10%			2029
4					Total ur	it rate arri	ved for the yea			22321
			-10		1		. ca ioi the jen	A MUXO	,-X7	
-							Add 10%	escala	tion	
1					Total ur	it rate arri	Add 10%	escala r 2019	tion::	2232
-					Total ur	it rate arri	ved for the yea	r 2019	9-20::	24553
-					y		Add 10%	r 2019 escala	9-20:: tion::	24553 2455
					y		ved for the yea Add 10% oved for the yea	r 2019 escala r 2020	9-20:: tion:: 0-21::	24553 2455 27008
					Total un	nit rate arri	Add 10% oved for the year ved for the year Add 10% oved	r 2019 escala r 2020 escala	9-20:: tion:: 0-21:: tion::	24553 2455 27008 2701
					Total un	nit rate arri	Add 10% oved for the year ved for the year Add 10% oved for the year ved for the year	r 2019 escala r 2020 escala r 2021	0-20:: tion:: 0-21:: tion:: 1-22::	24553 2455 27008 2701 29709
			•		Total un	nit rate arri	ved for the yea Add 10% oved for the yea	r 2019 escala r 2020 escala r 2021 escala	9-20:: tion:: 0-21:: tion:: 1-22:: tion::	24553 2455 27008 2701 29709 2971
					Total un	nit rate arri	Add 10% oved for the year ved for the year Add 10% oved for the year ved for the year	r 2019 escala r 2020 escala r 2021 escala r 2022	9-20:: tion:: 0-21:: tion:: 1-22:: tion:: 2-23::	24553 2455 27008 2701 29709 2971 32680
					Total un	nit rate arri	Add 10% oved for the year Add 10% over	r 2019 escalar r 2020 escalar r 2021 escalar r 2022 escalar	9-20:: tion:: 9-21:: tion:: 1-22:: tion:: 2-23:: tion::	24553 2455 27008 2701 29709 2971
			•		Total un	nit rate arri	Add 10% oved for the year Add 10% oved for the year add for the	escalai r 2020 escalai r 2021 escalai r 2022 escalai r 2022	9-20:: tion:: 0-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24::	24553 2455 27008 2701 29709 2971 32680 3268
					Total un Total un Total un	nit rate arri	Add 10%	r 2019 escala r 2020 escala r 2021 escala r 2022 escala r 2023	9-20:: tion:: 0-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion::	24553 2455 27008 2701 29709 2971 32680 3268 35948
					Total un Total un Total un	nit rate arri	Add 10%	escala r 2020 escala r 2021 escala r 2022 escala r 2023 escala r 2023	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595
					Total un Total un Total un Total un Total un	iit rate arri	Add 10% Add 10% Add 10% Add 10% Ved for the yea Add 10% Add 10% Add 10% Add 10% Add 10% Add 10%	r 2019 escala r 2020 escala r 2021 escala r 2022 escala r 2023 escala r 2023 escala r 2024 escala	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543
					Total un Total un Total un Total un Total un	iit rate arri	Add 10%	r 2019 escala r 2020 escala r 2021 escala r 2022 escala r 2023 escala r 2024 escala r 2024	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion:: 5-26::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543
					Total un Total un Total un Total un Total un Total un	iit rate arri	Add 10%	escalar r 2020 escalar r 2021 escalar r 2022 escalar r 2023 escalar r 2024 escalar r 2025 escalar r 2025	7-20:: tion:: 1-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion:: 5-26:: tion::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543 3954 43497 4350
					Total un Total un Total un Total un Total un Total un	iit rate arri	Add 10%	escalar r 2020 escalar r 2021 escalar r 2022 escalar r 2023 escalar r 2024 escalar r 2025 escalar r 2025	9-20:: tion:: 0-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion:: 5-26:: tion:: 6-27::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543 3954 43497 4350 47847
					Total un	nit rate arri	yed for the yea Add 10%	escalair 2023 escalair 2022 escalair 2023 escalair 2024 escalair 2024 escalair 2025 escalair 2026 escalair 2026 escalair 2026	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion:: 5-26:: tion:: 6-27:: tion::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543 3954 43497 4350 47847
					Total un	nit rate arri	Add 10%	es calair 2022 escalair 2022 escalair 2022 escalair 2023 escalair 2024 escalair 2025 escalair 2026 escalair 2026 escalair 2026	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 4-25:: tion:: 5-26:: tion:: 6-27:: tion:: 7-28::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543 3954 43497 4350 47847 4785 52632
					Total un	nit rate arri	Add 10% Add 10% Add 10% Ved for the yea Add 10%	escalar 2024 escalar 2020 escalar 2022 escalar 2024 escalar 2024 escalar 2026	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 5-26:: tion:: 6-27:: tion:: 7-28:: tion::	24553 2455 27008 2701 29709 2971 32680 3268 35948 35948 3595 39543 3954 43497 4350 47847 4785 52632
					Total un	nit rate arri	Add 10%	r 2015 escalai r 2020 escalai r 2021 escalai r 2022 escalai r 2024 escalai r 2026 escalai r 2026 escalai e	9-20:: tion::)-21:: tion:: 1-22:: tion:: 2-23:: tion:: 3-24:: tion:: 5-26:: tion:: 6-27:: tion:: 7-28:: tion:: 8-29::	24553 2455 27008 2701 29709 2971 32680 3268 35948 3595 39543 3954 43497 4350 47847 4785 52632

Unit Cost for 10th Year Maintanence of NTSH Plantation (LIM) as per FSR 2016-17

Espacement Rate (inclusive SI. FSR Code Total Item of work Qty Rate of 25% Per Amount No No. Rate Allowanc e) 1 2 3 4 5 6 7 R 9 WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over) 02.04.01 a) 1st Circular weeding to a radius of 0.50 m around the plant during July 1 103.79 1111 Nos 25.95 129.74 100 Nos 1441 b) 2nd Circular weeding to a radius of 0.50 m around the plant during 2 02.04.02 1111 Nos 103.79 25.95 129.74 100 Nos 1441 Sept - Oct c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) 3 02.04.03 i) For ordinary soil 1111 Nos 363.366 90.84 100 Nos 454.21 5046 Cutting of coppice growth flush to the ground to reduce the competition 4 over the entire area duly retaining useful species after planting and High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad 1 Ha 02.04.06 1215.43 303.86 1519.29 1 Nos 1519 Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity 12 Mont Photo of Watchers shall be pasted in respective Plantation Journal. 5 02.04.08 7500 0.00 7500 9000 1 Ha Every month payment to be made after satisfaction by Plantation-inhs charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. Unit Rate for 2016-17 18447 Add 10% escalation:: 1845 Total unit rate arrived for the year 2017-18:: 20292 Add 10% escalation:: 2029 22321 Total unit rate arrived for the year 2018-19: Add 10% escalation:: 2232 Total unit rate arrived for the year 2019-20:: 24553 Add 10% escalation:: 2455 Total unit rate arrived for the year 2020-21:: 27008 Add 10% escalation:: 2701 Total unit rate arrived for the year 2021-22:: 29709 * Add 10% escalation:: 2971 Total unit rate arrived for the year 2022-23:: 32680 Add 10% escalation:: 3268 Total unit rate arrived for the year 2023-24:: 35948 Add 10% escalation:: 3595 Total unit rate arrived for the year 2024-25:: 39543 3954 Add 10% escalation:: Total unit rate arrived for the year 2025-26:: 43497 Add 10% escalation:: 4350 47847 Total unit rate arrived for the year 2026-27:: Add 10% escalation:: 4785 Total unit rate arrived for the year 2027-28:: 52632 Add 10% escalation:: 5263 57895 Total unit rate arrived for the year 2028-29:: Add 10% escalation:: 5790 63685 Total unit rate arrived for the year 2029-30::

Unit Cost Estimate for Stabilization of Trench of 1 Km length 2016-17

SI. No.	FSR Item No.	Item of work	P	hy	Cost	Agency allowance 25%	Total	Per Nos.	Fin (Rs. In Lakhs)
	1	STABILIZATION OF Bund				2570			
	~	(i) 2 mtrs. X 2 mtrs. Peripheral trench		31,0					-
1	x = 1	Planting Pongamia in 30 Cm3 pit on the Crest of mound at 4 M spacing			4.			ade 5 9"	•
		Cost of Pongamia Seedlings	250	Nos	4	0	4	250	1000.0
	02.30.01	a) Allignment & Stacking - 4 m apart in one row	250	Nos	66.74	16.685	83,425	100	208.0
	02.30.02	b) Cost of preparation of stakes (0.45 m length) and transporation to site	250	Nos·	47.3	11.825	59.125	100	147.1
-	02.30.03	c) Digging 30 cm3 pits (50% of original rate) to be done during June	250	Nos	1.96	0.49	2.45	1	613.0
	02.30.04	d) Transporation of seedlings & Internal transport	250	Nos	100.2	0	100.17	100	250.4
	02.30.05	e) Planting with 4 m apart in one row (250 No. per Km)	250	Nos	116.8	29.1875	145.9375	100	364.8
2		iv) Planting I row of Bamboo Rhizome at midline of inner slope of the mound at 4 m apart					•		
	02.30.16	a) Allignment & Stacking - 4 m apart in one row	250	Nos	66.74	16.685	83.425	100	208.6
	02.30.17	b) Cost of preparation of stakes (0.45 m length) and transporation to site	250	Nos	43.8	10.95	54.75	100	136.9
	02.30.18	c) Digging 30 cm3 pits (50% of original rate) to be done during June	250	Nos	1.96	0.49	2.45	1	613.0
	02.30.19	d) Transporation of seedlings & Internal transport	250	Nos '	45.26	o	45.26	100	113.2
	02.30.20	e) Planting with 4 m apart in one row (250 No. per Km)	250	Nos	116.8	29.1875	145.9375	100	364.8
3		v) Planting 3 rows of fast-growing secondary hardwood species or its associates of local origin with an espacement of 3x2 m					•		•
-	02.30.21	a) Clearance of 5 mt width stretch	500	Nos	864.4	216.1075	1080.5375	100	5402.7
	02.30.22	b) Allignment & Stacking 2x3 m espacement	500	Nos.	66.74	16.685	83.425	100	417.1
	02.30.23	c) Cost of preparation of stakes (0.45 m length) and transporation to site	500	Nos	47.3	11.825	59.125	100	, 295.0
	02.30.24	d) Digging 30 cm3 pits (50% of original rate) to be done during June	500	Nos	1.168	0.291875	1.459375	1	730.0
	02.30.25	d) Transporation of seedlings & Internal transport	500	Nos	100.2	0	100.17	100	500.9
	02.30.26	f) Planting with local secondary hardwood and its associate in one row at 4 m apart (Narayepi, Yegisa, Buruga, Tellachinduga etc.)	500	Nos	116.8	29.1875	145.9375	100	729.

4		Planting of Gachakaya in 2 rows on the outer slope of the mound	1	2			·	T	The Miles					
		Gachakaya-8kg						<u> </u>						
	A/a.	Cost of seed	8	Kgs	250		-							
	2.25.01	Seed dibbling	1	Km	1080				2000. 1080.					
5	A/a.	Misc. / Unforseen expenditure	A/a		300				300.					
		Cost of seed collection	A/a		50									
	2.25.01	Dibbling of Babul seed inside the trench@2000Nos/Km(3260Nos/Kg)		Km	1080				1080.0					
		Total :	1				•							
				-	U	it Rate :	as per FSR	2016 17	16587.1					
			ALC:			Add	10% esc	alation	16587.00					
							ate for a		1658.71 18245.77					
						Add	10% esc	alation	1824.58					
		Rate for 2018-19												
-		Add 10% escalation												
		Rate for 2019-20												
							10% esc		2207.74					
			1				ate for 2		24285.11					
			T			Add :	10% esc	alation	2428.51					
						Add :	ate for 2 10% esc	021-22	26713.63					
			T			R	ate for 2	022-23	2671.36 29384.99					
						Add :	10% esc	alation	2938.50					
_		.,	1				ate for 2		32323.49					
			TY			Add :	10% esc	alation	3232.35					
-							ate for 2		35555.84					
-						Add :	10% esc	alation	3555.53					
							ate for 2		39111.42					
-							alation	3911.14						
-							ate for 2		43022.56					
							10% esc		4302.26					
\dashv			<u> </u>				ate for 2		47324.82					
-			T				10% esc		4732.48					
-			+			R	ate for 2	-	52057.30					
								OR	52057					