Revised CA scheme for 21.50 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 29.6878 Ha for erection of 400 KV QMDC line from the proposed 1x800MW Power Plant in KTS (Pal) to the 400/220 proposed K.V.S.S at Padamati Narsapuram (V), Julurupadu(M) in Khammam District in which (1) 19.186 Ha of forest land of Chatakonda RF block in Kothagudem Forest Division (2) 10.50189 Ha of forest land in Chatakonda Punukula RF in Paloncha WLM Division.

Revised Compensatory Afforestation Scheme for 21.50 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 informed that the CA proposals for diversion of forest land under FC Act, 1980 to an extent of 29.6878 Ha for erection of 400 KV QMDC line from the proposed 1x800MW Power Plant in KTS (Pal) to the proposed 400/220 K.V.S.S at Padamati Narsapuram (V), Julurupadu(M) in Khammam District in which (1) 19.186 Ha of forest land of Chatakonda RF block in Kothagudem Forest Division (2) 10.50189 Ha of forest land in Chatakonda & Punukula RF in Paloncha WLM Division including Eco Sensitive Zone proposals have been submitted by the then Conservator of Forests, Khammam to the Prl. Chief Conservator of Forests, T.S., Hyderabad. The District Forest Officer, Bhadradri Kothagudem has also informed that on scrutiny of proposals the Prl. Chief Conservator of Forests, T.S., Hyderabad vide his Rc.No.18872/2015/FCA-3, Dt:22-12-2016 has observed that the area identified for CA is having growth and issued instructions to identify alternative site with density less than 0.4 and prepare the CA Scheme for 7 to 10 years maintenance immediately.

Accordingly instructions were issued by Forest Divisional Officer, Paloncha to the Forest Range Officer, Mulakalapally to identify the degraded forest land in lieu of diversion of forest land to an extent of 10.50189 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	2	3	4	5	6	7
1	Mulakalap ally	Pogallapally	Mutylampadu	Mukamamidi	313	21.50
				7:	Total:	21.50

Description:

In order to improve of Natural Forests in degraded patches, 21.50 Ha area was identified in compt.No.313 of Mukamamidi Beat of Mulakalapally Range. The following activities have to be taken up to improve the degraded forests under Labour Intensive Method(LIM).

Planting Technique:-

It is proposed to raise NTSH seedlings keeping in view the soil suitability and management point of view an extent of 21.50 Ha NTSH plantation is proposed to be raised from 2017-18 to 2028-29.

<u>In addition to the above the following activities are proposed in degraded</u> <u>Forest Land:</u>

- **1.** <u>Digging of Cattle Proof trench (CPT)</u>: The peripheral trench work is proposed with a specification of Top width-1.5M X Bottom width-1.00M X Depth-1M) around the periphery of the CA area.
- 2. Stabilization of Bund: The trench stabilization by vegetative means is proposed with the method as per Circular No.1/2016. The Planting with Pongamia in 30 Cm3, I row of Bamboo Rhizome at midline of inner slope of the mound at 4 m apart and Planting 3 rows of fast-growing secondary hardwood species or its associates of local origin with an espacement of 3x2 m Gachakaya seed will be sown in 2 rows on the outer slope of the mound.
- **3.** Raising of misc. nursery: The seedlings suitable for soil with (2) year old are to be raised for planting during 2018-19.
- **4.** Taking up advance operations: The plantation under this programme is proposed to be raised by adopting Labour Intensive Method like clearance of NTSH growth during 2017-18.

- 5. Raising of plantations: The planting will be taken in forest land with an espacement proposed is 3M x 3M 1111 plants/ Ha, with operations like circular weeding, Circular weeding cum deep soil working, cutting of coppice with 2 times, Cost of Chemical fertilizers, Application of fertilizers and Maintenance of plantations upto (12) years as per calendar operations.
- **6. Planting Agave suckers**: It is proposed to plant agave suckers (1000 Nos.) along the sides of the proposed Transmission Line at an interval of 2 mtrs.

It is proposed to take up the above activities in compt.No.313, Mukamamidi Beat of Mulakalapally Range of Paloncha Division with an outlay of Rs.135.004 Lakhs. The details are furnished hereunder.

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	0.850
2	Stabilization of Bund	0.300
3	Raising of NTSH seedlings	11.781
4	Maintenance of NTSH seedlings	0.546
5	Advance operations	2.421
6	Raising of NTSH Plantation	14.355
7	1 st year Maintenance of plantations	7.955
8	2 nd to 10 th year maintenance of plantations	78.853
9	Establishment of nursery	4.000
10	Soil and Moisture Conservation works	2.400
11	Planting agave suckers at 0.5m	0.100
12	Dibbling palmyrah nuts @3m apart	0.396
13	Civil Engineer on contract for SMC works for (6) months	0.600
14	Entry point Activities (a) Trainings and capacity buildings	1.000
	(b)Micro Plan preparation	0.300
15	Miscellaneous expenses / Administrative costs	2.500
16	Establishment and other logistic support for Monitoring reporting and data logging	4.000
	Sub Total :	132.357
	2% Administrative cost	2.647
	Grand Total:	135.004

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.

Cost of Structure:

Basic rates proposed as per FSR of 2016-17 and 10% price escalation is proposed every year over the basic rates of FSR of 2016-17.

Cost of the Scheme Project:

Total cost of the project work out of **Rs. 135.004** Lakhs from 2017-18 to 2028-29 as shown below.

Sl. No.	Item of work	Area in Ha.	Rate	Amount (Rs. In lakhs)
1	Raising of NTSH plantation and 12 years maintenance)	21.50 Ha	6.27926	135.004

Employment Generation:

The project is located in Mulakalapally Mandal Agency Area. The local labour mostly Tribal and SCs will be benefited by implementation of this project. The employment generation expected to be created is 30838 Man-days during the project period from 2017-18 to 2028-2029.

COMPENSATORY AFFORESTATION SCHEME FOR 21.50 Ha DOUBLE DEGRADED FOREST LAND AT COMPT.NO.313, MUKAMAMIDI BEAT OF POGALLAPALLY FOREST BLOCK OF MULAKALAPALLY RANGE OF PALONCHA DIVISION

-1				2016-17			2017-18	21.50		2018-19			2019-20			2020-21			021-22			022-23		2	023-24		2	2024-25		2	025-26			2026-27			2027-28			2028-29		T	otal
Component	Unit cost as per the FSR 2016-17	Unit	, n		Fin.	DI.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.		Rate	Fin.		Rate	Fin.			Fin.		T	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Fin.
6	(Rs. In lakhs)		Phy.	Rate	rin.	Phy.	Kate																							20		24	25	36	27	2.9	30	40	41	42	43	44	45
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	3/	36	35	40	-41	12	-10		
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	1823	46.64	0.850	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	1823	0.850
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	1.641	0.183	0.300	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	1.64	0.300
Sub Total(I):			_		0			1.150			0.000			0.000			0.000			0.000			0.000			0,000		1	0.000	7		0.000			0.000			0.000			0.000	0.000	1.150
fforestation in Degraded Forest Area.																												_								-					-		-
LABOUR INTENSIVE METHOD																								-			-	-		-	-												
Preliminary operations (Advance operations)																		_	-		_							_			-												
Raising of Misc. seedlings (like., NTSH, NTFP & Babmoo etc., species) Primary and Bag plants Nursery (8"x12" size bags/800 bags / bed/)(Bamboo - 10,00 Ha -600 /Ha, NTSH - 30,00 Ha - 1700 /Ha = 4000 k NTFP - 13,04 ha - 1700 /Ha = 4000		Bed	0	0	0	40	0.23	9.24	10	0.254	2.54	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	50	11.78
Seedlings / Ha) 5 Beds /Ha = 265 Beds.								7										9,6											<u>دان</u>													3	
One Year Maintenance of Misc. seedlings (like., 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 / Bed.	0.009	Bed	0	0	0	0	0	0	40	0.0106	0.42	10	0.0122	0.12	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	50	0.54
Advance site preparation works for Raising of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per	0.102	На	0	0.102	0.00	21.50	0.113	2.42	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	21.50	2.42
ha) (21.00 Ha) Sub-total (IVA)		-	+	-	0.00	-	-	11.66	0	<u> </u>	2.97		-	0.12	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			0.00			0.00			0.00	121.50	14.74
Creation (Raising year)		_	_		1	_			_																						-		-			-	-				1	185	1
Raising of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (21.00 Ha)	0.552	На	0	0.552	0	0	0.607	0	21.50	0.668	14.36	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	21.50	
Sub-total(IVB)					0	0		0.00	21.50		14.36	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	21.50	14.35
Maintenance of Plantations											LW 1											×	-	-		-				100			-	-		-				-			+
Maintenance of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (21.00 Ha) (1st year)	0.278	На		0.278	0.00		0.31	0.00		0.336	0	21.50	0.370	7.955	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	21.50	7.95
Maintenance of NTSH plantation under Labour Intensive Method at an espacement of 3mx3m (1111 plants per ha) (21.00 Ha) (2nd to 10th Year	0.184	На		0.184	0.00		0.20	0.00		0.223	0	0	0.246	0	21.50	0.270	5.807	21.50	0.297	6.387	21.50	0.327	7.026	21.50	0.359	7.729	21.50	0.395	8.502	21.50	0.435	9.352	21.50	0.478	10.287	21.50	0.526	11.316	21.50	0.579	12.447	7 21.50	78.8
maintenance)		1	1	t	1	1	1			1					15			The last					1		100														21.50		_	21.50	86.80

	Unit cost as			2016-1	7		2017-18	1	-, -	2018-19		n	2019-20			2020-21			2021-22	!		2022-23		202	3-24	Me .	2024-2	25		2025-20	6		2026-2	27		2027-2	.8		2028-29	,	Т	otal
SI Component	per 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. Ra	te Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Fin.
1 2 V. Nursery infrastructure:	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26 2	7 28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 Establishment of Nursery	1.00	No.	0	0	0	,	LS	1,00	١,	LS	1.00		LS	1.00	,	LS	1.00	0	0		0						-	<u> </u>	-			-							-	\vdash		-
S. Total (V)	1.00	140.	100	"	0.000		Lis	1.000	,	LS	1,000		Lo	1.000	1	ro	1.000	U	0	0.000	0	0	0.000	0 (0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00	4.000
VI Soil and moisture conservation works		100		1	0.000	-		1.000	-		1.000			1.000			1.000			0.000			0.000		0.00	0	-	0.000			0.000	0	0	0.000	0	0	0.000	0	0	0.000	4.00	4.000
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	2	2.400
S. Total (VI)					0.000	-	1.20	1.200	<u> </u>	1.20	1.200			0.000	-	-	0.000	-		0.000			0.000		0.000		+ 0	0.000	0	0	0.000	0	0	0.000	0	0	0.000	0	0	0.000	2	2.40
c) vegetative measures	9																									10								0,000	1		0.000			0,000		2.400
Planting agave suckers at 0.5m apart including cost and conveyance	0.00	0	0	0	0	0	0	0	0.20	0.44	0.100	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	0.100
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	0.396
					0.000			0.000			0.496			0.000			0.000			0.000			0.000		0.000)		0.000			0.000			0.000	1		0.000			0.000	0.35	0.496
Civil Engineer on contract for slection of sites and preparation of estimates of SMC structures	10000	Each/ month	0	0	0	6	0.10	0.600	0	0	0	0	0	0	0	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	6	0.60
Sub-total(VIC):					0.000		 	0.600	†		0.000			0.000			0.000			0.000		-	0.000	0.000	0.000		+	0.000			0.000			0.000			0.000		-	0.000	6	0.60
I Entry Point activities																				Wicken	0 1													0.000	1		0,000			0.000		0.00
a) Trainings and capacity building		Each	0		0.000	4	LS	0.400	4	LS	0.40	2	LS	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	10	1.00
b) Micro plan preparation	5000	Each	0	1	0.000	1	LS	0.100	_	LS	0.100	1	LS	0.100	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	3	0.30
SubTotal (VII) Miscellaneous expenses / Administrative costs					0.000	5		0.500	5		0.500	3		0.300	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	13	1.30
a) Office expenses like stationery, 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	2.00
b) Purchase of GPS and other equipment	LS	Nos	0		0	1		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	0	0	0	0	0	1	0.50
SubTotal (VIII)					0.000			1.000			0.500			0.500			0.500			0.000			0.000		0.000	,		0.000			0.000			0.000			0.000			0,000	1	2.50
Establishment and other logistic suppor	rt:																																		1					0.000		2.00
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	1.000	1	LS	1.000	1	LS	1.000	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	4.00
SubTotal (IX)					0.000			1.000			1.000			1.000			1.000			0.000	0.00		0.000		0.000			0.000			0.000			0.000			0.000			0.000	4	4.00
Total:					0.000			18.110			22.016			10.877			8.307			6.387			7.026		7.729	,		8.502			9.352			10.287	1		11.316			12.447		132.3
Monitoring and evaluation(2% of the reatment cost)	0	0	0	0	0.000	0	0	0.362	0	0	0.440	0	0	0.218	0	0	0.166	0	0	0.128	0	0	0.141	0 0	0.155	0	0	0.170	0	0	0.187	0	0	0.206	0	0	0.226	0	0	0.249	0	2.64
GRAND TOTAL:					0.000		1	18.473			22.456			11.095			8.473		-	6.515		_			7.883	+	-	-	-						-			←—	-	\leftarrow		-



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

Sl	FCD C	(2011년 1월 1일				Rate in Rs		e g		
N	FSR Code No.	Item of work		Qty	Asper FSR	Agency allowan ce 25%	Total		Per	Amount
1	2	3		4	5	6	7		8	9
1		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 medium.			•					
1		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	5.40
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	1	Bed	25.25
5	01.01.06	Cost and transport of 0.025 cum FYM	1	Bed	21.87	0	21.87	1	Bed	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	1	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
8	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
9	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
10	01.01.13	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
11	01.01.15	Cost of chemicals, fungicide and insecticide	1	Bed	As per	r actuals lim seedlings	nited to Rs. In primary			55.09
		Watch and Ward	1	Но	7500	0.00	150.00	3	Months	450.00
12	1.03	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.		2. F 10. 15.			f edge	-	S.TOTAL::	750.00
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	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).								

	FSR Code		1400			Rate in Rs				
1	No.	Item of work		Qty	Asper FSR	Agency allowan ce 25%	Total		Per	Amount
1	2	3		4	5	6	7		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	Nos	44.12	11.03	55.15	1	Bed	55.15
3		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.						7. X		
1	01.03.04	12.5 cm x 22.5 cm (5" x 9") size bags of 200 g: 366 bags / kg	5	Kgs	156.00	0.00	156.00	- 1	Kg	780.00
4		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.								
I		Transportation of soil mixture ingredients				-0.0			1 10 10,	
1)	01.03.06	a) Distance up to 5 km 12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	1700	Nos	348.00	0.00	348.00	1000	Nos	591.60
)		b) For every extra km beyond 5 km upto 25 km								2 2
1	01.03.08	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	1700	Nos	90.70	0.00	90.70	1000	Nos	3083.80
5		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.								
	01.03.10	12.5 cm x 22.5 cm (5" x 9") size bags of 1700 bags / bed	1700	Nos	830.95	207.74	1038.69	1000	Nos	1765.77
6	01.03.11	Allignment of beds including allignment of inspection paths etc	1	Bed	6.59	1.65	8.24	1	Bed	8:24
17		Pricking out seedlings from primary beds and transplanting into polybags	1700	Nos	122.74	30.69	153.43	-1000	Nos	260.83
8		Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment		Nos	73.01	18.25	91.26	1000	Nos	155.1
19		Watering the plants twice a day from July - October								
	01.03.14	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe	1	Bed	238.19	59.55	297.74	1	Bed/ Month	1786.4
20		Weeding the plants from July to October (3 times)								
	01.03.16	1st weeding - July		1 Bed	43.74	10.94	54.68		1 Bed/ Weeding	54.6
	01.03.17			1 Bed	43.74	10.94	54.68	-	Bed/ Weeding	54.6
	01.03.18			1 Bed	43.74	10.94	54.68		1 Weeding	54.6
21		Shifting, Grading and rearranging in beds of 10x m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags)	of						Bed/	
	01.03.1			1 Bed	204.28	51.07	255.35		1 Shifting	255
2	01.03.2	Replacement of casualties after sorting out the empty bags and keeping at one end of the be (maximum 10% of total stock is permissible)	ed	1 Bed	58.00	14.50	72.50		1 Bed	72.

SI	FSR Cod					Rate in I	₹s.	T		T
N o.	No.	Item of work		Qty	Asper FSR	Agency allowan	Total		Per	Amount
1	2	3		4		ce 25%			a granda a	
23	1	Cost of foliar nutritient formulations like multiplex	-	1	5	6	7		8	9
24	01.03.21	or NPK-19:19:19; fungicides and insecticides from July to Oct.		1 Bed	As per	actuals wi 2000/ per 1	th a maxim	ium lim pag seed	it of Rs. Rs. dlings.	57.0
25	01.03.23	Weeding in the space between the beds, inspection path and sorroundings of Nursery		1 Bed	29.81	7.45	37.26	T	1 Bed	37.2
-		Watch and Ward		1 No	7500	0.00	150.00	6	Months	2160.0
6		CONVERSION of RT plants or 4"x7" or 5"x9" bag-	. 1	(UV)		Maria III	Sept.	•	S.TOTAL::	11233.1
		plants into higher size bags - to be done during November - December. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).								•
		Cost and Transport of ingredients for Potting Mixture: 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.								•
I		Transportation of soil mixture ingredients			-					
1		a) Distance up to 5 km	-		-					
	01.03.28	5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	800	Nos	864.05	216.01	1080.06	1000	Nos	864.0
	1 a	b) For every extra km beyond 5 km upto 25 km). T				•
	01.03.33	5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	800	Nos	218.70	54.68	273.38	1000	Nos	4374.00
		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 10x1 m size (6"x12" size: 1100 bag.plants / bed and 8"x12" size": 800 bag plants per bed)						•		•
	01.03.38	5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	800	Nos	1478.68	369.67	1848.35	1000	Nos	1478.68
		Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings		7.4				•		
	01.03.44	1st weeding - December	1	Bed	43.74	10.94	54.68	1	Bed	54.68
	01.03.45	2nd weeding - February		Bed	43.74	10.94	54.68		Bed	54.68
	01.03.40	Shifting, Grading and rearranging in secondary beds - One Grading in February	1	Bed	204.28	51.07	255.35	1	Bed/ Weeding	255.35
		Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.			•					
L	01.03.47	Manually with rose spray or finely perforated nozzle attached to a hose pipe	1	Bed	238.19	59.55	297.74	- 1	Bed/ month	893.22
	01.03.50	Cost of foliar nutritient formulations like multiplex or NPK-19:19; fungicides and insecticides from July to Oct.	1	Bed	1	actuals with 100/ per 1 l				50.00

SI					Rate in R	s.			
N o.	FSR Code No.	Item of work	Qty	Asper FSR	Agency allowan ce 25%	Total		Per	Amount
1	2	3	4	5	6	7	1 C 10 F 10	8	9
24		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					•		
	01.05.04	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.	1 No	7500	0.00	150.00	5	Months	750.00
25	01.03.51	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, electricty charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.	As per actual	s, subject	to max. of	5 % of esti	mate in M	daint. Year.	438.73
		PART OF THE PARTY			1444	640 KS (4.)	13641	S.TOTAL::	9213.39
						Unit Rate a	s per FSI	R 2016-17::	21196.51
							Add 10%	escalation::	2120.00
	- 4,		1.7	Tota	l unit rate	arrived fo	r the yea	r 2017-18::	23316.51
								escalation::	2332.00
			D _{ate}	Tota	l unit rate			r 2018-19::	25648.51
	5 82 2			1			-	escalation::	2565.00
а ,				Tota	l unit rate			r 2019-20::	28213,51
								escalation::	2821.00
				Tota	Il unit rate	arrived fo	r the yea	r 2020-21::	31034.51

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 re- arranging 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		Months	500
					Unit cost f	or 2016-17:	914
			•		Add 10%	escalation::	91
			Total unit r	ate arrived	l for the ye	ar 2017-18::	1005
		Na.	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -		Add 10%	escalation::	101
-1			Total unit r	ate arrived	l for the ye	ar 2018-19::	1106
*					Add 10%	escalation::	- 111
			Total unit r	ate arrived	l for the ye	ar 2019-20::	1217

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

Espacement 3 x 3 M

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 incurred for effective area only. All the above operations shall be completed

Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle

growth) with prior written approval of DFO based on field inspection of DFO.

before December.

Formation of Fire Lines

a)

02.01.04

02.01.05

Name of the Species: NTFP Rate in Rs. SI. FSR Code Agency Item of work Qty Amount Per No. No. Asper allowance Total **FSR** 25% 1 2 4 5 6 7 8 9 Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The 02.01.02 1 No. 311.04 0.00 311.04 1 No. surveyed sketch with exact effective 311 area statement will be uploaded in MIS platform by end of December. 2 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

1 Ha

400 RMT

5207.65

682.99

1301.91

170.75

6509,56

853.74

Unit Rate as per FSR 2016-17::

Add 10% escalation:: Unit Rate for 2017-18

Add 10% escalation::

Unit Rate for 2018-19

orest Divisional Officer Paloncha

6510

3415 10236

1024

11260

1126 12386

Ha

100 RMT

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

						1	Espacemen	it 3X3	
SI. No.	FSR Code No.	Item of work	Q	ty	Rate	Rate (inclusive of 25% Allowance	Total Rate	Per	Amount
1	2	3	4	1	5	6	7	8	9
		Alignment and staking including base line							
- 1	02.01.07	Misc. (5M X 5M)	1111	Nos	98.77	24.69	123.46	100 Nos	1372
2	02.01.09	Cost of preparation of stakes 0.45 m length and transportation to site	1111	Nos	47.3	0.00	47.30	100 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	3.75	18.73	1 Nos	20803
		Transportation of Planting Stock (including loading and unloading) Including Casualties							
4	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
5	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
		Internal transportation to planting points on head loads							
6	02.02.12	20 X 30 cm (8"X12") bag plants	1111	Nos	117.94	29.49	147.43	100 Nos	1638
		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 Nos	453
	02.02.14	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos	85	Kgs	6.00	0.00	6.00	1 Kg	510
7	02.02.16	Planting in 45cm	1111	Nos	363.366	90.84	454.21	100 Nos	5046
	02.09.29	Replacement of casuvalities							-
8	02.01.15	Diggingg of 45 cm cube pits	278	Nos	7.49	1.87	9.36	1 Nos	2603
		Fertilizer Application for boosting growth		1000					
13	02.02.18	Cost of DAP @ 25 gm / planting point	42	Kgs	20.00	0.00	20.00	1 Kg	840
14	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 Nos	453

_	-	WEEDING & SOIL WORKING					T	T	1
15	02.02.20	a) 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 N	-
	02.02.21	the plant 90 days after planting (i.e. Sept. Oct.)	1111	Nos	103.79	25.95	129.74	100 Nos	•
16	02.02.22	depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) i) Ordinary soil	1111	Nos	363.37	90.84	454.21	100 Nos	5040
		Cutting of copiece growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July-August)							•
7	02.02.25	High rainfall zone> 800 mm (for Warangal< Khammam & Adilabad circle)	1	Hà	1215.43	303.86	1519.29	1 Ha	1519
	02.09.38 s s s	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-in-charge that fence is in proper condition and entry of grazing animals is topped. The guiding principle for continuation of the ervices of a Plantation Watcher is at least 80% urvival at the end of raising year.	1 H	la 7	7500	0.00	7500	8 Mont hs	6000
+	N	lisc. like plantation board etc	-	+					
+			-	+		Unit D			2062
+				+		Olit Ka	ate as per FSR		55180
+	·			1	Total uni	t rate arrive	Add 10% es	scalation::	5518
-				-	To the diffe	. rate arrive	ed for the year	2017-18::	60698
-				-	Total mile	rata aw'	Add 10% es	calation::	6070
-			1	-	- July Will	rate arrive	d for the year Add 10% es		66768

-605

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

		-	net real Plaintanence of N			-			Espacer	nent	3X3	
SI, No	1	Sec. 1	ltem of work		Q	ty	Rate	Allowa	ive Total		Per	• •
			, 3	1		1	5	e)				
1	02.03.		Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: casualty replacement). The list of all casualty points shall be prepared 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.	no by ne				6	7		8	9
2	02.01.1	5	45 cm ³ pits (June-July)	-	_							11 ,11
		1	Transportation of Planting Stock (Incl. 1)		278	Nos	14.98	3.75	18.73	1	1 Nos	FIRE
-	02.00	- 1	d distributing casualties						1	+	11105	5206
3	02.02.0	-	20 X 30 cm (8"X12") bag plants upto 5 kms	+;	278	Nos	173,49	-			-	
4	02.02.0	6 2	0 X 30 cm (8"X12") bag plants beyond 5 kms(20kms)		-			0.00	173.49	10	0 Nos	482
		Ir	nternal transportation to planting points on head loads	1	78	Nos	6.75	0.00 -	135.00	100	Nos	375
5	02.02 1	2 20	0 X 20 cm (07)(40)					v 1		-		-
		Ai	0 X 30 cm (8"X12") bag plants	2	78 N	los	117.94	29.49	1.07	-	-	
6	02.02.1	fo	pplication of 50 gm of SSP per pit (1 day before planting) or root growth and early establishment of plant after	-	-			29.49	147.43	100	Nos	410
7	02.02.14	C	pst of SSP. Chloriding that (52)	-	78 N	los	32.62	8.16	40.78	100	Nos	113
8	02.02.16	PI	ost of SSP, Chloridine dust (50 gm) or Chloropyriphos anting in 45cm	27	78			As per	actual			70
+		-		27	18 N	os :	363.366	90.84	454.21	100		-
1		of	EEDING & SOIL WORKING (To be carried out after replacement casualties are over)		+	+		-	134.21	100	Nos	• 1263
9		1		-	+	-						
1	02.03.02	Au	t st Circular weeding to a radius of 0.50 m around the plant during July g	111	1 No	os 1	03.79	25.95	129.74	100	Man	
0 ,	02.03.03	b) 2 Sen	2 nd Circular weeding to a radius of 0.50 m around the plant during of - Oct		+	+	-			100	IAO2	1441
				117.	INC	5 1	03.79	25.95	129.74	100	Nos	1441
_			Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be e by pick-axe only) without damaging the plant (to be carried out ing Nov - Dec)						10 5			
02.	.03.04		or ordinary soil	1111	No	-	(2.24)					
		Cutt	ting of coppice growth flush to the ground to reduce the competition	1111	140	3 30	53.366	90.84	454.21	100	los	5046
			Tetaning useful species after planting and									
02	2.03.07	Circl	n rainfall zone > 800 mm (for Warangal, Khammam & Adilabad	- 1	Ha	12	15.43	303.86	1519.29	1 1		4846
02	2.03.08	scica	ning of lower branch initials of Timber and NTFP species by atture upto 1/3 rd height during October.	1111	Nos	10	3.194	-		1 1	05	1519
	- 1					-	3.194	25.80	128.99	100 N	os	1433
02.	.09.38	ha, property that the property	of Protection: One Watcher is allowed for 10-30 ha. plantation; more Watcher for more than 30 ha; and if the area is less than 10 rior approval of Conservator of Forests is required. Identity of Watchers shall be pasted in respective Plantation Journal. It mouth payment to be made after satisfaction by Plantation-inge that fence is in proper condition and entry of grazing animals pped. The guiding principle for continuation of the services of a ation Watcher is at least 80% survival at the end of raising year.	1	Ha	750	00	0.00	7500	12 M	ont	9000
		_		1 2 50	e j				Unit Rate fo	r 2016	-17	27700
									Add 10% c	scalatio	n	27799
						T	otal unit	rate arrive	d for the year	2017-	18::	30579
									Add 10% e	scalatio	n	3058
						T	otal unit	rate arrive	d for the year	2018-	19::	33637
				-	-	T	otal unif	rate arrive	Add 10% e	scalatio	n::	3364
						1			Add 10% e	scalatio	m···	37001
							otal unit					

Forest Divisional Officer

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

	1				-	as pe	Espacemen		3X3	
SI. No.		e Item of work		Qty	Rate	Rate , (inclusive of 25% Allowanc			Per	Amou
1	2	3	+	4		e)				
-		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		1	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 Aug	111	1 Nos	103.79	25.95	129.74	100	Nos	144
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	1111	1 Nos	103.79	25.95	129,74	-	Nos	1/41
_		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)				•	127.74	100	Nos	1441
3	02.04.03	i) For ordinary soil	1111		262.044					
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and	1711	1402	363.366	90.84	454.21	100	Nos	5046
4	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	171	Mont hs	9000
							Unit Rate fo	or 201	6-17	18447
							Add 10%	scala	ion:	1845
1					Total uni	t rate arrive	d for the yea	r 2017	-18::	20292
_							Add 10% 6	scalat	ion	2029
1					Total uni	t rate arrive	d for the year	2018	-19::	22321
+				-	T-4:		Add 10% e	scalat	ion::	• 2232
_				-	Total uni	t rate arrive	d for the year	2019	-20::	24553
1					Total	4 4	Add 10% e	scalat	ion::	2455
-			-	-	Total uni	t rate arrive	d for the year	2020	-21::	27003
			-	-	Total unit	t rate arrive	Add 10% e	scalat	ion::	2701 29709

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

	6		_				Espaceme	nt 3X3	
SI. No.	1. 2. 000	ltem of work		Qty	Rate	Rate (inclusiv of 25% Allowan	e Total	Per	Amou
		3	-			e)			
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)	-	4	5	6	7	8	9
	-	of casualties are over)	-					1	
1	02.04.01	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		-
_		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)				•	125.74	100 Nos	1141
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		1.03	303.300	90.84	454.21	100 Nos	5046
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad		-					
+	02.04.00	Circle) Circle	1	Ha	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
+							Unit Rate fo	or 2016-17	184-17
+	-						Add 10% (scalation	1845
+-		i i i i i i i i i i i i i i i i i i i			Total uni	t rate arriv	ed for the year	r 2017-18::	• 20292
+			-			- 1	Add 10% c	scalation	202')
+	-		-	-	Total unit	rate arriv	ed for the year	2018-19::	2237.1
+-				-	T		Add 10% e	scalation::	2237.
+					1 otal unit	rate arriv	ed for the year	2019-20::	24553
+							Add 10% e	scalation::	2455
+				-	1 otal unit	rate arity	ed for the year	2020-21::	27003
+			-	-	77		Add 10% e	scalation::	2701
-			-	-	Lotal unit	rate arriv	ed for the year	2021-22::	29709
1_							Add 10% c	scalation	2971
-					Total unit	rate arriv	ed for the year	2022-23::	32680
L							Add 10% es	calation	3268
					Total unit	rate arrive	ed for the year	2023-24.	35948

-611-

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

	100		T:-		-		Espacemer	nt :	3X3	
SI. No.	No.	Item of work		Qty	Rate	Rate (inclusive of 25% Allowand	Total		Per .	Amount
	-	3	1	4	5	e)		- 4		
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		İ		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 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		
		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)						100	1105	1441
3	02.04.03	i) For ordinary soil	-	-						
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining and the ground to reduce the competition	1111	Nos	363.366	90.84	454.21	100	Nos	5046
		over the entire area duly retaining useful species after planting and		1						
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad	1	На	1245 42	707		-		
		51100		Ind	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	На	7500	0.00	7500	12 h	Mont	9000
-							Unit Rate fo			18447
-			-		Total		Add 10% (scalati	ion::	1845
-					Total un	t rate arriv	ed for the year			20292
+			-		Total uni	t rate arriv	Add 10% e	scalati	on::	2029
+						Tate arriv	Add 10% e	colot:	19::	22321
+					Total uni	t rate arriv	ed for the year	- 2019-	20	2232 24553
+						ľ	Add 10% e			2455
					Total uni	t rate arriv	ed for the year	2020-	21::	27003
							Add 10% e	scalati	on::	2701
				-	Total uni	t rate arriv	ed for the year			29700
			-				Add 10% e	scalati	on::	2971
_				-	Total uni	t rate arriv	ed for the year			32680
	10			-	Total		Add 10% e	scalati	on::	3268
-	1			-	1 otal uni	rate arriv	ed for the year			35948
-					Total act	t rate - ·	Add 10% e	scalatio	ou::	3595
-			-	-	TOTAL UNI	rate arriv	ed for the year			39543
				-	Total nuit		Add 10% es			3954 43497

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

SI.	FIR Cod		T		ition (L.	Rate	Espaceme	nt	3X3	
No.	1	Item of work	I.A	Qty	Rate	of 25% Allowance	Total		Per	Amour
	1	3	-	4		e)	1 1			
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)	-	1	5	6 •	7	1	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 1	100					
2	02.04.02	b) 2 nd Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	-	1 Nos	-	25.95	129.74	100	Nos	1441
		c) Deep soil working to a radius of a	111	1 Nos	103.79	25.95	129.74	100	Nos	1411
		during Nov - Dec)					1 000 100			
3	02.04.03	i) For ordinary soil		-	-					
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly relaining profess.	1111	Nos	363.366	90.84	454.21	100	Nos	5046
	02.04.06	Totaling usciul species after planting 1						1		
+	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	. 1	Ha	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		Mont is	9000
+			T	T			Unit Rate fo	r 201	5-17	18447
-					Total		Add 10% e	scalati	on::	1845
1			-	-	Total uni	rate arrive	d for the year	2017-	18::	20272
1			-	-	Total unit		Add 10% e	scalati	on::	2029
1	-				A Ottal dilli	rate arrive	d for the year	2018-	19::	22321
1					Total unit	rate errive	Add 10% e	scalati	on::	2232
1					T	Tate arriver	Add 1000	2019-	20::	24553
1					Total unit	rate arrive	Add 10% es	calati	on::	2453
							Add 10% es	ZUZU-	41::	27003
					Total unit	rate arrived	for the year	2021)n::	2701
							Add 10% cs	colet'		29709
					Total unit	rate arrived	for the year	2022	13	2971
						1.	Add 10% es	colett		32680
					Total unit	rate arrived	for the year	2022	14	3268
_			-			111111111111111111111111111111111111111	Add 10% es	2023-1	4::	35948
_					Total unit	rate arrived	for the year	2024 2	n::	3595
					T	- III III CU	Add 10% es			39543
			-		Total unit		Muu 10 70 68	caratio	n:::	3954

-615-

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

	14-						Espacemen	t	3X3	
SI. No.	FSR Code No.	Item of work	C	Qty	Rate	Rate (inclusive of 25% Allowand	Total		Per	Amount
<u>'</u> -	2	3		4	5	e)	<u> </u>	-		
		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	-	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	4444		-					
4		Cutting of coppice growth flush to the ground to reduce the competition	1111	NOS	363.366	90.84	454.21	100	Nos	5046
+	02.04.06	over the entire area duly retaining useful species after planting and High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad					•			
+	02.04.00	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	or 201	6-17	18447
							Add 10%	escala	tion::	1845
					Total un	it rate arri	ved for the yea	r 2017	7-18::	20292
					77		Add 10%	escala	tion::	2029
					1 otal un	it rate arriv	and for the yea	r 2018	3-19::	22321
					Total	!	Add 10%	escala	tion::	2232
	2 1				1 Otal un	it rate arriv	ved for the yea			24553
_					Total un	it rate arriv	Add 10% oved for the year	escala	tion::	2455
-		The state of the s			7,111,011	- Auto al III	Add 10%	ecole.	ion	27008
-					Total un	it rate arriv	ed for the yea			2701
_					1	1	Add 10%			29709
-					Total un	it rate arriv	ed for the yea	r 2022	-23	32680
-					La la	T	Add 10%			. 3268
-					Total un	it rate arriv	ed for the yea			35948
-						T	Add 10%			3595
-					Total un	it rate arriv	ed for the yea	r 2024	-25::	39543
+			1 10		9		Add 10%			3954
					Total un	it rate arriv	ed for the yea	r 2025	-26::	43497

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

	105		T-				Espaceme	nt :	3X3	
SI. No.	FSR Code No.	e Item of work		Qty	Rate	Rate (inclusive of 25% Allowanc	Total Rate	,	Per	Amount
<u>'</u>		3		4	5	e) 6				Y., .
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		T		0	7	-	8	9
1	02.04.01	a) 1st 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	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)					•	100	1103	1441
3	02.04.03	i) For ordinary soil	4444	1	-					
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 entire area duty retaining useful species after planting and								
4	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	Ha	1215.43	303.86	1519.29	111	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.		На	7500	0.00	7500	12 h	Mont as	9000
_				-			Unit Rate f	or 201	6-17	18447
1					Tatal		Add 10%	escalati	ion::	1845
-			-	-	1 otal un	it rate arrise	ed for the yea	r 2017-	-18::	20292
-			-		Total		Add 10%	escalati	on::	2029
-			-		Total un	it rate arrive	d for the year	r 2018-	19::	22321
+					Total un	it rate anni-	Add 10%	escalati	on::	2232
-					Total un	it rate arrive				24553
-					Total uni	it rate arrive	Add 10%	r 2020	21	2455 27008
-							Add 10%	escalati	011	2701
+-					Total uni	t rate arrive	d for the yea	r 2021-	22::	29709
-							Add 10%	escalati	on::	• 2971
-					Total uni	t rate arrive	d for the yea	r 2022-	23::	32680
1						0.00	Add 10% (escalati	on::	3268
1					Total uni	t rate arrive	d for the yea	r 2023-	24::	35948
+							Add 10% e	escalatio	on::	3595
1					Total uni	t rate arrive	d for the yea	r 2024-:	25::	39543
+							Add 10% c			. 3954
					Total uni	t rate arrive	d for the year	r 2025-	26::	43497

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

	\ \dagger		T		1	T =	Espacemen	nt	3X3	
SI. No.	1	Item of work	(Qty	Rate	Rate (inclusive of 25% Allowand e)	Total		Per	Amount
		3		4	5	6				
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)		T	1-	-	7	1-	8	9
1	02.04.01	a) 1st Circular weeding to a radius of 0.50 m around the plant during July	1111	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		
		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)						100	1105	1441
3	02.04.03	i) For ordinary soil	1111	Nos	363.366			-		
4		Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and		1405	363.366	90.84	454.21	100	Nos	5046
	02.04.06	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	1	Ha	1215.43	202.84		-		
					1213.43	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 ns	9000
4							Unit Rate fo			18447
-				-	Table		Add 10%	escalat	ion::	1845
+					1 otal uni	t rate arriv	ed for the yea	r 2017-	18::	20292
-				-	Total		_ Add 10%	escalati	on::	2029
4					Total uni	t rate arriv	ed for the yea	r 2018-	19::	22321
_					T . 1		. Add 10%	escalați	on::	2232
-				-	10tal uni	I rate arriv	ed for the year	r 2019-	20::	24553
- -			-	-	Total uni	t mate	Add 10% e	scalati	on::	2455
-				-	TOTAL ITAL	t rate arriv	ed for the year	r 2020-	21::	27008
				-	Total	<u> </u>	Add 10% c	scalati	on::	2701
			-		1 otat uni	t rate arriv	ed for the year			29709
							Add 10% e	scalati	on::	2971
				-	1 otal uni	t rate arriv	ed for the year	2022-	23::	,32680
	17.4						Add 10% e	scalati	on::	3268
T					Total uni	t rate arriv	ed for the year	2023-	24::	35948
1-	-						Add 10% e	scalati	on::	3595
1					Total uni	t rate arriv	ed for the year	2024-	25::	39543
+					35.	21.5 8 2 4	Add 10% e	scalati	on::	3954
+-					Total uni	t rate arriv	ed for the year	2025-	26::	43497
+					late of the		Add 10% e	scalati	on::	4350
+					Total unit	rate arriv	ed for the year			47847
+-				1			∘Add 10% €			4785
				-	***		ed for the year		-	52632

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

	1		1				Espacemen	ıt	3X3	
SI. No.	FSR Code No.	Item of work	C)ty	Rate	Rate (inclusive of 25% Allowand e)	Total		Per	Amount
		3		4	5	6	7			
		WEEDING & SOIL WORKING (To be carried out after replacement of casualties are over)				-	-	+	8	. 9
1	02.04.01	a) 1 st Circular weeding to a radius of 0.50 m around the plant during July-	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	111,1	Nos	103.79	25.95	129.74	100	Nos	144
		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)		9				100	Mos	1441
3	02.04.03	i) For ordinary soil	1111	Nor	363.366	00.0				
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	7500	121	Mont hs	9000
-							Unit Rate f	or 201	6-17	18447
						T	Add 10%			
-					Total un	it rate arriv	ed for the year	CSCHIAI	ion::	1845
_					X Otal III	it tate at the				20292
_				-	Total		Add 10%	escalat	ion::	2029
				-	1 Otal un	it rate arriv	ed for the yea	r 2018	-19::	22321
							Add 10%	escalat	ion::	2232
					I otal un	it rate arriv	ed for the yea			24553
			-				Add 10%	escalat	ion::	2455
\top					Total un	it rate arriv	ed for the yea	r 2020	-21::	27008
1							Add 10%			2701
-					Total uni	it rate arriv	ed for the yea	r 2021	-22::	29709
-							Add 10%			2971
+					Total uni	it rate arriv	ed for the yea	r 2022	-23::	32680
-			1				Add 10%			3268
+					Total uni	t rate arriv	ed for the yea	r 2023	-24::	35948
-							Add 10%			3595
1					Total uni	t rate arriv	ed for the yea			39543
	1 12				T		Add 10% (3954
					Total uni	t rate arriv	ed for the yea			43497
					T		Add 10%	-		4350
7				-	Total	t rate				
+				-	Local uni		ed for the year			47847
- 1			100				* Add 10%			4785
					Total uni	t rate arriv	ed for the yea			52632
					1		Add 10% e	ecalat	inn	45263
							7xuu 10 /0 t	SCAIAL	100	-3203
			-		Total uni	t rate arriv	ed for the year			
					Total uni	t rate arriv		r 2028	-29::	57895 5790

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

	1		1				Espacement		3X3	
SI. No.	FSR Code No.	Item of work	C	(ty	Rate	Rate (inclusive of 25% Allowance)	Total		Per	Amount
<u>'</u>		3	1	4	5	6	-			
-		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	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	144
		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)						100	1103	1441
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	303.300	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		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	1 121	Mont hs	9000
+							Unit Rate f	or 20	16-17	18447
+							* Add 10%			1845
+					Total ur	it rate arriv	ed for the yes	r 201	7-18::	20292
+						v	Add 10%	escala	tion::	2029
+					Total un	iit rate arriv	ed for the yea	r 2018	3-19::	22321
+						100	Add 10%			2232
+					Total un	it rate arriv	ed for the year			24553
+				-			Add 10%	escala	tion::	2455
				-	Total un	it rate arriv	ed for the yea			27008
1					Total		Add 10%			2701
					10tai un	III rate arriv	ed for the yea		-	. 29709
					Total un	it rate arris	ed for the year		-	2971
				-	X Otal til	it Tate alliv	Add 10%			32680
					Total un	it rate arriv	ed for the yea			35948
							Add 10%			3595
					Total un	it rate arriv	ed for the yea			39543
							Add 10%			3954
					Total un	it rate arriv	ed for the yea		-	43497
						T	Add 10%			4350
					Total un	it rate arriv	ed for the yea		-	47847
							Add 10%			4785
					Total un	it rate arriv	ed for the yea		-	52632
					T	T	Add 10%			5263
					Total un	it rate arriv	ed for the yea		-	57895
				-			* Add 10%	escala	tion::	5790
1					Total un	it rate arriv	ed for the yea			636

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

SI. Vo.	FSR Item No.	Item of work	F	hy.	Cost	Agency allowance 25%	Total	Per Nos.	Fin (Rs. In Lakhs)
		STABILIZATION OF Bund				2570			
		(i) 2 mtrs. X 2 mtrs. Peripheral trench					2444		
1		Planting Pongamia in 30 Cm3 pit on the Crest of mound at 4 M spacing						1	
	,	Cost of Pongamia Seedlings	250	Nos	4	0	4	250	1000.
	02.30.01	a) Allignment & Stacking - 4 m apart in one row	250	Nos	66.74	16.685	83,425	100	208.0
- 1	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	147.8
	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	208.0
- 11	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	Q	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							•
- T	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.
	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 Gachakaya-8kg	Ι'	2			<u> </u>	T	
	A/a.	Cost of seed							
	2.25.0	Seed dibbling	8	Kgs	250		-		
		Seed dibbling	1	Km	1080				2000.
5	A/a.	Misc. / Unforseen expenditure	A/a						1080.0
-		Cost of seed collection	A/a		300				300.0
	2.25.01	Dibbling of Babul seed inside the trench@2000Nos/Km(3260Nos/Kg)	1	Km	1080		•		30.0
-		Total:			1000				1080.0
+									16587.1
\top					Ur	It Rate a	s per FSR	2016-17	16587.06
						Add 1	0% esc	alation	1658.71
1						Add 1	0% esc	017-18	18245.77
					Saladal .	Ra	to for 2	018-19	1824.58
	100					Add 1	0% esc	olation	20070.34
						Ra	te for 2	010-20	2007.03
						Add 1	0% esc	alation	22077.38
_					16.50	Ra	te for 2	020-21	2207.74 24285.11
+-						Add 1	0% esc	alation	2428.51
+						Ra	te for 2	021-22	26713.63
+						Add 1	0% esca	alation	2671.36
+						Ra Add 40	te for 2	022-23	29384.99
+						Aug 10)% esca	lation	2938.50
+-						Add 10	te for 20 0% esca	123-24	32323.49
+-						Pa	te for 20	nation	3232,35
+						Add 10	% esca	124-25	35555.84
+-						Rat	te for 20	125-26	3555.53
+-						Add 10	% esca	lation	39111.42
+-						Rat	e for 20		3911.14 43022.56
-				- 1/1/		Add 10	% esca	lation	43022.56
+					Line was	Rat	e for 20	27-28	47324.82
1					1	Add 10	% esca	lation	4732.48
1						Rat	e for 20		52057.30
								OR	52057