# COMPREHENSIVE SCHEME COMPENSATORY AFFORESTATION

CONSTRUCTION OF CANAL, TUNNELS, LIFT SYSTEM AND RESERVOIRS INVOLVING IN KALESHWARAM PROJECT

## TO BE RAISED IN PEDDAPALLY AND MANTHANI RANGES

OF

**PEDDAPALLY DIVISION** 

KARIMNAGAR CIRCLE

**DISTRICT PEDDAPALLY** 

**TELANGANA STATE** 

COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME FOR PEDDAPALLY DISTRICT OF KARIMNAGAR CIRCLE: DIVERSION OF 3221.2971 Ha OF FOREST LAND IN 8 DIFFERENT DIVISIONS VIZ MAHADEVPUR, KARIMNAGAR-SIRCILLA, SIDDIPET, YADADRI, MEDAK, NIZAMABAD, BANSWADA AND NIRMAL DIVISIONS FOR CONSTRUCTION OF CANAL, TUNNELS, LIFT SYSTEM AND RESERVOIRS INVOLVING IN KALESHWARAM PROJECT IN DIFFERENT DISTRICTS OF TELANGANA STATE

#### 1) INTRODUCTION OF THE SCHEME:-

The Chief Engineer, Kaleshwaram Project, Hyderabad has submitted proposals for CA which is identified in Peddapally District for their composite Construction of Canal, Tunnels, Lift System and Reservoirs in Peddapally District of Karimnagar Circle.

The details of Sy.No wise as follows:-

SI. No	Village	Mandal	Sy.No	Extent of land available for CA (in Ha)
1	Dongathurthy	Dharmaram	61	34.2700
2_	Dongathurthy	Dharmaram	294	69.1900
3	Kummarikunta	Julapally	225	58.0900
4	Maredupally	Palakurthy	309	41.7000
5	Munjampally	Palakurthy	88	15.2000
6	Kanagarthy	Peddapally	354	63.9617
_7_	Kanagarthy	Peddapally	354	4.5692
8	Maredugonda	Peddapally	446	21.1266
_9	Maredugonda	Peddapally	307	71.1626
_10_	Maredugonda	Peddapally	429	74.0259
	TOTAL			453.2955

The above mentioned Govt. Non-forest land is identified by the Officials of Chief Engineer, Kaleshwaram Project, Hyderabad and Forest Department. The CA land 453.2955 Ha has been identified in the above mentioned area. The area is completely hilly and rocky, but having stunted forest growth equivalent to adjacent to forest land. The growth consists mainly of Narlinga, Cassiafistula, Moduga, Vepa, Pala, Tangedu, Danthe, Namalinara, Tuniki, Ippa, NallaKodisha, Palakodisha etc.,.

#### 2). SUITABILITY OF THE AREA:-

The area of 453.2955 Ha of Non-forest land handed over for CA purpose. The total land is hilly, Rocky areas, hence the AR planting activities cannot be taken up except Digging of CPCT works, SMC works, Bund planting and Gap Planting in some patches.

#### 3). SCHEME IMPLEMENTATION AGENCY:-

The District Forest Officer, Peddapally will be the project implementation and Monitoring agency and works will be taken up through concerned Forest range Officers.

For successful implementation above mentioned works frequent inspections and close monitoring is required by the Forest Range Officers and Superior Officers.

#### 4). MONITORING MECHANISM:-

The District Forest Officer, Peddapally and Chief Conservator of Forests, Karimnagar Circle, Karimnagar will closely monitor the implementation of CA scheme by regular inspections and ensuing maintenance of connected records like Nursery journals, plantation journal, cash books, Work register, measurement Books etc.. Monthly progress of planting and maintenance along with expenditure will be submitted to the Prl.CCF, TS,Hyd and other Senior Officers of Forest Department Telangana and Chief Conservator of Forests (Central) Bangalore will also be monitoring the implementation of CA scheme.

#### 5). PERIOD OF THE SCHEME:-

Period of the scheme is for (10 years) which includes advance works and raising of plantations and 8 years maintenance commencing from 2017-18 to 2026-27.

The details of proposed works are given below

- **6). BOUNDARY DEMARCATION:** As a part of protection of the CA land following activities are proposed.
  - a. <u>BOUNDARY TRENCH:</u>: In order to reduce biotic interference and to increase the protection of the forests, RF boundary trench (Top width:2M, Bottom width 1.50M, Depth:2M) is proposed for a total length of 20.00 Kms
  - b. <u>BOUNDARY PILLARS:</u> RCC boundary pillars are proposed to demarcate between the forest and non-forest land
  - c. <u>Fencing/Compound wall:</u> Where ever boundary trench is not possible chainlink or barbed wire fencing/compound wall with a gate is proposed

#### 7). FOREST PROTECTION:

- 1) Erection of watch tower
- 2) Protection Quarters for front line staff
- 3) Watch and ward (Protection watcher).

#### 8.) PUBLICITY AWARENESS GENERATION AND ENTRY POINT ACTIVITIES:

- 1) Publicity boards for awareness on forest and environment for the general public in Division
- 2) Awareness Generation program for the Public like organizing of seminars/workshop, Kalajatha programme, Posters etc.,
- 3) Entry point activities like trainings and capacity building programmes proposed in adjoining villages to reduce biotic interference and Forest Fire tracing.
- 4) Study tours for frontline staff

### 9. ADMINISTRATION MONITORING AND A INFRASTRUCTURE COST:-

- 1) Purchase of GPS, Computers and other equipments etc.
- 2) Purchase of fire fighting equitment
- 3) Remuneration for computer Assistant/for monitoring and Maintenance of records.
- 4) Monitoring evaluation and administration cost
- 5) Purchase of vehicles ( 2 Innova and 1 Bolero) for the supervision, monitoring and evaluation of the scheme by Forest Officers at Division and Circle level.

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#### 10.) NURSERY INFRASTRUCTURE IN THE PROPOSED AREA THE FOLLOIWNG ARE PROPOSED:-

- 1) Seed storage Room
- 2) Electricity and water cost such as Drilling of borewell and fixing of pump etc.,
- 3) Raising of nurseries
- 4) Maintenance of nurseries.
- 5) Protection of nursery site by chainlink fencing.

#### 11.) REJUVENATION OF ADDITIONAL CA AREA EQUIVALENT TO FOREST AREA DIVERTED:-

The Government non-forest land of 453.2955 Ha., which is identified for CA by the User Agency in Peddapally Division in lieu of their Construction of Canal, Tunnels, Lift System and Reservoirs total CA land is completely Hilly and Rocky. Hence planting activities cannot be takenup. Therefore it is decided to identify equivalent Addl. C.A. area in Degraded forest in Peddapally and Manthani Range of Peddapally Division to take up the plantation works the details are as follows.

- Advance operations
- 2) Raising year
- 3)  $1^{st}$  to  $8^{th}$  year maintenance and all activities as proposed in the area
- 4) Nursery

Cost of the scheme is worked out by adopting present FSR of 2016-17. The total year wise cost, structure of the project to an extent of 453.2955 Ha is shown in Annexures. The details of requirement of funds and year wise action Plan and area shown in Annexures. Unit Cost of planting techniques is worked out on the basis of FSR 2016-17 and detailed scheme is prepared for an amount of Rs.2770.206 lakhs.

#### **ABSTRACT**

COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME FOR PEDDAPALLY DISTRICT OF KARIMNAGAR CIRCLE:DIVERSION OF 3221.2971 Ha OF FOREST LAND IN 8 DIFFERENT DIVISIONS VIZ MAHADEVPUR, KARIMNAGAR-SIRCILLA, SIDDIPET, YADADRI, MEDAK, NIZAMABAD, BANSWADA AND NIRMAL DIVISIONS FOR CONSTRUCTION OF CANAL, TUNNELS, LIFT SYSTEM AND RESERVOIRS INVOLVING IN KALESHWARAM PROJECT IN DIFFERENT DISTRICTS OF TELANGANA STATE

SI.	Item of works	Total	
No.		Phy.	Fin. In lakhs
ı	PROTECTION OF CA LAND	1	
	Nursery	1,10,000 Nos	65.600
2	Gap Planting		
	Advance Operations	396.396 Ha	19.622
	Raising of Plantation	396.396 Ha	122.883
	1st year Maintenance of Plantation	396.396 Ha	41.622
	2 <sup>nd</sup> year Maintenance of Plantation	396.396 Ha	40.829
	3 <sup>rd</sup> year Maintenance of Plantation	396.396 Ha	44.793
	4 <sup>th</sup> year Maintenance of Plantation	396.396 Ha	49,153
	5 <sup>th</sup> year Maintenance of Plantation	396.396 Ha	54.306
	6th year Maintenance of Plantation	396.396 Ha	59.459
	7 <sup>th</sup> year Maintenance of Plantation	396.396 Ha	65.802
	8th year Maintenance of Plantation	396.396 Ha	72.144
3	Bund planting with Pongamia and Gacchakaya seed		
	Raising of Plantation	20.00 Kms	2.800
	1st year Maintenance of Plantation	20.00 Kms	0.800
	2 <sup>nd</sup> year Maintenance of Plantation	20.00 Kms	0.880
	3 <sup>rd</sup> year Maintenance of Plantation	20.00 Kms	0.980
	4th year Maintenance of Plantation	20.00 Kms	1.080
	5th year Maintenance of Plantation	20.00 Kms	1.180
4	Protection of watcher for natural plants around the hillocks	10.00 Nos	141.187
5	SMC works		
	Staggered Trenches	324.00 Cum	0.786
	CPCT Works	70000 Cum	29.680
6	Construction of Checkdams	5.00 Nos	28.00
7	Overhead Misc Exp (10%)		84.358
7	Publicity Awareness generation and Entrypoint Activities	Ls ·	40.000
8	Administration and Infrastructure and Monitoring cost	Ls	70.000
9	Boundary Demarcation in the proposed area	Ls	30.000
10	Forest Protection	Ls	30.000
	SUB TOTAL-I		1097.944
- 11	RAISING OF PLANTATION IN DEGRADED AREA		
1	Nursery	6,05,000 Nos	187.550
2	Advance Operations	453.2955 Ha	114.684
3	Raising of Plantation	453.2955 Ha	258.378
4	1st year Maintenance of Plantation	453.2955 Ha	139,162
5	2 <sup>nd</sup> year Maintenance of Plantation	453.2955 Ha	86.579
6	3 <sup>rd</sup> year Maintenance of Plantation	453.2955 Ha	95.192
7	4 <sup>th</sup> year Maintenance of Plantation	453.2955 Ha	104.711
8	5 <sup>th</sup> year Maintenance of Plantation	453.2955 Ha	115.137
9	6th year Maintenance of Plantation	453.2955 Ha	126.469
10	7th year Maintenance of Plantation	453.2955 Ha	139.162
11	8th year Maintenance of Plantation	453.2955 Ha	153.214
12	Overhead Misc Exp (10%)		152.024
	SUB TOTAL-I		1672.263
	GRAND TOTAL		2770.206

SCHEME PROFOSALS FOR RAISING OF COMPENSATORY AFFORESTATION SCHEME FOR PEDDAPALLY DISTRICT OF KARIMNAGAR CIRCLE:

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KALESHWARAM PROJECT IN DIFFERENT DISTRICTS OF TELANGANA STATE

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General Principles   General	5th Year Maint of Plantation	•			-															103.46	13700	14.174					<del> </del>					
1. The New Market Pressure 1	6th Year Maint of Plantation																						103.46	15000	15.514							
BA True Manace of Parameters   Sept.   Basel	7th Year Maint of Plantation															_				~	<u> </u>			1		103.46	16600	17 174				
2 Design (CFC) work (4 60)	8th Year Maint of Plantation		1			<u> </u>	l								<del>}</del>					<u> </u>	<u> </u>				<u> </u>	103.70	10000	27,174	100.46	19200	10.000	<del></del>
Scot   Prince   Sect by Visids   Section   S	2 District of CPCT work ( 6.0		<del>                                     </del>		<del></del>			<del>                                     </del>				· · · ·			╂╌╌														103.46	18200	18,830	18.830
State of Particular   State of Exercise   St	Kms) Trench Size Top Widt 2.00 M, Bottom Width 1,50	21.000	42,4	8.904																										,		8.904
With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Goodways Series (Figure 1988)  With Programs and Dibbling of Series (Figure 1988)  With Programs an		1	500000	5.000					<u> </u>				-		-											<u> </u>	}					E noo
Better	with Pongamia and Dibbling of Gacchakaya								_				_				-				-										•	
Marked Manual Plantation		<u> </u>	<del>                                     </del>	·	6.00	14000	0.840	<del> </del>		<del> </del> -				<del></del>									<u> </u>									
2   2   2   2   2   2   2   2   2   2	1st Year Maint of Plantation							6.00	4000	0.240					<u> </u>												<del> </del>					
3-st Year Maint of Fluntation											6.00	4400	0.264	<del> </del>	<u> </u>			-		-						<del></del> -	<del> </del>					-
4th Year Maintof Plantation  5th Year Maintof	. "	1				<u> </u>				<del> </del>				6.00	4900	0.294				<del> </del>					<u> </u>	<del> </del>						
Sh Year Mante of Plantation   Sh Pear  4th Year Maint.of Plantation	,	<del>                                     </del>			····		<del> </del>				<del>                                     </del>	-		+		6.00	5400	0.324		<del> </del>				<u> </u>	<del>                                     </del>						-	
S   Protection of watcher for neutral plants around the shitch for [12]   159 M   7500   0.675   1xt2 M   8250   0.990   1xt2 M   995   1.198   1xt2 M   10981   1.318   1xt2 M   10981   1.318   1xt2 M   12079   1.449   1xt2 M   13267   1.594   1xt2 M   14615   1.724   1xt2 M   1	5th Year MainLof Plantation	,	<del>                                     </del>			1	1	1	<del>                                     </del>		<del>                                     </del>	<del> </del>		<del> </del>			0.00	<i>-</i>	0,544	- m	5000				<del>                                     </del>	_						-
https:// watcher jor 12   189 M   7900   0.675   1x12 M   3250   0.990   1x12 M   9975   1.089   1x12 M   9983   1.138   1.131 M   1.0981   1.318   1.12 M   12079   1.42 M   14015   1.754   1x12 M   14015   1.754   1x12 M   16077   1.929   1x12 M   17685   2.122   1x1.119	3 Protection of watcher for	<del> </del>	<del> </del>			├─		<del> </del> -				<del> </del>			-	<b></b>				6.00	5900	0.354					ļ					0.354
SUB-TOTAL   19:00   33:903   12:192   12:118   13:303   14:602   16:122   17:273   19:104   20:952   179:269     V Maredupally Village (61.70	hillock (1 Watcher) for 12	1x9 M	7500	0.675	1x12 M	8250	0.990	1×12 M	9075	1.089	1x12 M	9983	1.198	1x12 M	10981	1.318	1x12 M	12079	1,449	1x12 M	13287	1.594	1x12 M	14615	1.754	1x12 M	16077	1,929	1×12 M	17685	2.122	14.119
1   Digging of CPCT work (2:00   Kms) Trench Size Top Width 2:00 M, Boltom Width 1:5   Cost M, Depth 2:00 M, Dep				19.700			33.903		1	12.192			12.118		t	13.303			14.602	<del>                                     </del>	<del> </del>	16.122		<del>                                     </del>	17.273		+	19,164	<del> </del>		20.952	179 269
Kins) Trench Size Top Width 200 M, Rotion Width 150 7000   42.400   2.968   0   0   0   0   0   0   0   0   0	1V Maredupally Village (41.70 Ha)	1	].	}											Γ_	Ì								<u> </u>	1			T				
2   Construction of Checkdam   1   30000   3,000     3,000	Kms) Trench Size Top Widt 2.00 M, Bottom Width 1.50	7000	42.400	2.968			0			0			0			0			0			o										2.968
Saising of Bund planting with Pengamia and Dibbling of Gacchakaya seed	2 Construction of Checkdam	<del></del>	300000	3.000	<u> </u>	1	<del>                                     </del>	<del> </del>	-	<del> </del>	-	₩	<del> </del>		<del> </del>			+		-	-	<del> </del>	<u> </u>	-	<u> </u>	<del>                                     </del>	<del> </del>	1	ļ	<del>                                     </del>	<b> </b>	1,000
Raising of Plantation   2.00   14000   0.280	Raising of Bund planting with Pongamia and Dibbling of Gacchakaya																			<u> </u>												3.00
Ist Year Maint of Plantation   2.00   4000   0.080		<u> </u>	$\pm$	<u> </u>	2.00	14000	0.280	上一		<del> </del>		<del> </del>	-	-	+	<del> </del>		1		<del> </del>	<del></del>	1	<del> </del>	<del> </del>	<del> </del>	<del>├</del>	<del> </del>	<del> </del>	-	+	-	0.280
2.00   4400   0.088	1st Year Maint of Plantation					1	1	2.00	4000	0.080		ľ			-			1	<u> </u>		T						1	1	<del> </del>			1
3rd Year Maint of Plantation 2.00 4900 0.098 0.098		1				1			<u> </u>		2.00	4400	0.088	-	1			<del> </del>			<del> </del>	-			1			<del>                                     </del>	<del>                                     </del>	<del> </del>		+
Ath Day Maint of Physaics		n				<b>†</b>	1					<del> </del>	1	2.00	4900	0.098					<u> </u>				}			<del> </del>	<del>                                     </del>	<del> </del>		+
	4th Year Maint of Plantation	,	1	<u> </u>		1	1	<del> </del>	<del> </del>	<u> </u>		<u> </u>	1		<u> </u>	<del> </del>	2.00	5400	0.108	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>			+	1	+	<del> </del>	+		0.108

			2017-18			2018-19			2019-20			2020-21			2021-22			2022-23	<del>-</del> ~		2023-24			2024-25			2025-26			2026-27		
SI.	ltem of work	γı	ું	khs i	Ą.	ង	khs	<u>~</u>		khs	»^	2	ths	*	يو	ž č		. 94	unt		· a	ths th			ří Š			まる			<u> </u>	Sin G
		Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakks	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Pł.	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	ķ	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Grand total (Rs in lakhs)
	5th Year Maint of Plantation											- 1	1			Ì				2.00	5900	0.118					}					0.118
	Protection of watcher for natural plants around the hillock (2 Watchers) for 12 Months	2x9 M	7500	1.350	2x12 M	8250	1.980	2x12 M	9075	2.178	2x12 M	9983	2.396	2x12 M	10981	2.635	2x12 M	12079	2.899	2x12 M	13287	3.189	2x12 M	14615	3.508	2x12 M	16077	3.858	2x12 M	17685	4,244	28.237
ļ.,	SUB-TOTAL			7.318			2,260			2.258			2.484			2.733			3.007			3,307			3.508			3.858		$\overline{}$	4.244	34.977
V	Munjampally Village (15.20 Ha)																		<u> </u>													
	Digging of CPCT work (1.00 Kms) Trench Size Top Width 2.00 M, Bottom Width 1.50 M, Depth:2.00 M (Unit Cum)		42.400	1.484			0			0			Ø			0	:		0			O									<u> </u>	1.484
	Raising of Bund planting with Pongamia and Dibbling of Gacchakaya seed																															0.000
$\square$	Raising of Plantation			ļ	1.00	14000	0.140														1	1							<u> </u>			0.140
	1st Year Maint of Plantation			}		ł	İ	1.00	4000	0.040										ļ	1	ł	•									0.040
	2nd Year Maint.of Plantation										1.00	4400	0.044															,				0.044
	3rd Year Maint of Plantation	· ·	İ		l			ļ		<u>'</u>				1.00	4900	0.049										1						0.049
	4th Year Maint of Plantation								-				,		-		1.00	5400	0.054							Ī						0.054
ĺ	5th Year Maint.of Plantation																			1,00	5900	0.059										0.059
- 1	Protection of watcher for natural plants around the	1x9 M	7500	0.675	1x12 M	8250	0.990	1×12 M	9075	1.089	1x12 M	9983	1.198	1x12 M	10981	1.318	1×12 M	12079	1.449	1x12 M	13287	1.594	1x12 M	14613	1.754	1×32 M	16077	1.929	1x12 M	17683	2,122	14.119
_	hillock (1 Watchers) for 12 Months	ļ	ļ <u>.</u>		<u> </u>			ļ																				<u> </u>				
VI	SUB-TOTAI Kanagarthy Village	<del> </del>	ļ	2.159		┼	1.130	<del> </del>	<del> </del>	1.129			1.242	<del>}</del>	<del></del>	1.367		1	1.503	<u> </u>	1-	1.653	-	-	1.754	-		1.929	-	<b>├</b>	2.122	15.989
	Raising of Gap planting			<del> </del>	†	1		<del> </del>	1			-		<del>                                     </del>	+	1			<del>                                     </del>	+	+	+	+	<del>                                     </del>						+-	$\vdash$	+-
3	(63.9617+4.5692=68.5309 Ha)				1					ļ					ì			Î			1								}			
L	Advance Operation	68.5309	4950	3.392						1	İ	I										1			1							3,392
1	Raising of Plantation	<b>├-</b>	-	<del> </del>	68,5309	31000	21.245		ļ		ļ				_	ļ				<del></del>	-		-			_					<del></del>	21.245
	1st Year Maint of Plantation				<u> </u>		ļ	68.5309	10500	7.196		ļ				<u> </u>					<u> </u>			<u> </u>	<u> </u>			<u></u>	<u> </u>			7.196
	2nd Year Maint of Plantation	ļ				<u> </u>	<u> </u>		ļ	<u> </u>	68.5309	10300	7.059												L	<u></u>	<u></u>					7.039
	3rd Year MainLof Plantation	n				ļ								68.5309	11300	7.744		l	1					١.				İ				7.744
	4th Year Maint of Plantation	,									1			ĺ	Ī -		68.5309	12400	8.498			1	Ĭ									8.498
	5th Year Maint of Plantation	,	Ţ											ļ		1	1			68.5309	13700	9.389		<u> </u>	<u> </u>	`İ	1					9.389
	6th Year Maint of Plantation	1													İ								68.5309	15000	10.280							10.280
	7th Year Maint.of Plantation	1	1											<u> </u>	Ţ	1	1									68.5309	16600	11.376				11.376
	8th Year Maint.of Plantation	13																						1					68.5309	9 18200	12.473	3 12.473
2	Digging of CPCT work (3.0 Kms) Trench Size Top Widt 2.00 M, Bottom Width 1.50 M, Depth:2.00 M (Unit Cum	h 10500	42.400	4.452																												4.452
	Construction of Checkdam	1	500000	5.000	1		<u>t.                                    </u>	1		<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>		$\pm$	<del></del>					<del></del>	1	<u> </u>		<u> </u>	t		+	5.000
4	Raising of Bund planting with Pongantia and Dibbling of Gacchakaya seed																															
	Raising of Plantation	1	1	#=	3,00	14000	0.420	1	1	1	1 -		1	<b></b>	1	1	1	<b>1</b>				1	1			1		1_			1	0.420
	1st Year Maint of Plantation	,	1	1				3.00	4000	0.120															1		}					0.120

St.	ltons of superly	ļ	2017-18	# 9	<del>                                     </del>	2018-19	1	<del> </del> _	2019-20	T		2020-21			2021-22			2022-23		Γ	2023-24		г	2024-25	_	<del></del> .	0000 55					
Nο	Item of work	Phy	Rate	Amount in lakhs	Phy	Za ch	Amount in lakhs	Ę.	Rate	Amount in lakhs	Phy	Rate	Amount in lakks	Phy	Rate	Armount in takhs	-Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	ê	A124-25	Amount in Jakhs	<u> </u>	2025-26 29	Amount in lakhs	٠, د	2026-27 9:	tun t	d total Is in ths)
	2nd Year Maint.of Plantation					$T^-$	1	1			3.00	4400	0.132		}	₹.5	<del> </del> -	<del> </del>	4. ii	<del></del>	<u> </u> "	₹5	<u> </u>	2	£ 5	É	Rate	Armo	Ę.	Rate	Amount in lakhs	Grand tot (Rs in lakhs)
	3rd Year Maint of Plantation			1		†	╁	<del>                                     </del>	<del>                                     </del>	<del> </del>	2.00		0.132		-			<u> </u>		ļ	<u> </u>		<u> </u>	<b></b> _	<u></u>	<u></u>						0.132
4	Ith Year Maint of Plantation				<del> </del> -	$\vdash$	$\vdash \vdash$	<b>├</b>		<u> </u>	<del> </del>	<del> </del>	-	3.00	4900	0.147	ļ	<u> </u>			<u></u>		<u> </u>									0.147
=	5th Year Maint of Plantation		$\vdash$	<del> </del>	<del>                                     </del>	┼─	┼	┼──	<del> </del>	<u> </u>		<u> </u>			<u> </u>		3.00	5400	0.162													0.162
	Digging of Staggered		<del> </del>		<del> </del>	<del> </del> -	<del></del>	<b>├</b>		<del> </del>	<u> </u>	<u> </u>	<u>'</u>		ļ					3.00	5900	0.177										0.177
1	Trenches (Trench size 6.00 M x 0.30M x 0.45 M) (100 Nos x6x0.3x0.45=81 Cum	81.00	242.48	0.196															·										-	_		0.196
ľ	Protection of watcher for natural plants around the hillock (2 Watchers) for 12 Months	2x9 M	7500	1.350	2×12 M	8250	1.980	2x12 M	9075	2.178	2x12 M	9983	2.396	2x12 M	10981	2.635	2×12 M	12079	2.899	2x12 M	13287	3.189	2x12 M	14615	3.508	2x12 M	16077	3.858	2x12 M	17685	4.244	28.237
,,,	SUB-TOTAL			14.391			23.645	-		9,494	<del></del>	<del> </del>	9.586			10.526	ļ	<b> </b>		ļ						L				1,000	1.277	26.237
	Maredugonda Village Raising of Gap planting		<del> </del> -	<del></del> -	<del>-</del>	ļ	<u> </u>						1000			10.526			11.559	<del></del> -		12.755			13,787			15.235			16.717	137.694
1	(21.1266+71.1626+74.0259= 166.3151 Ha)																															
	Advance Operation Raising of Plantation	166.3151	4950	8,233	166.3151	31000	E1 550											-		<del> </del>	<del>  </del>				ļ							
1	lst Year Maint of Plantation				100.5151	31007	31.338	166.3151	10500	17.463			<del> </del>																			8,233 51,558
	2nd Year Maint.of			<del></del>	i	<del>                                     </del>	┰	100,5.01	10000	17.7400	44444				<del> </del>		ļ	ļ												Ï		17.463
	Plantation Brd Year Maint of Plantation		<del></del>		<del> </del>		├	<del> </del>			166.3151	10300	17.130				<u> </u>	<u> </u>														17.130
$\dashv$	ith Year Maint of Plantation		<u> </u>	<del></del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del>-</del> -		<del> </del>	<del> </del>	<del> </del> -	ļ	166.3151	11300	18.794		Щ.											1			18.794
+	5th Year Maint of Plantation		-	<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	<del> </del> -	<del> </del>	<del> </del>		<u> </u>	<u> </u>		<u> </u>		166.3151	12400	20.623													20.623
+	oth Year Maint of Plantation					<del>                                     </del>	<del>  -</del> -	<del> </del>							-					166.3151	13700	22.785										22,785
+	th Year Maint of Plantation					-	_	<del>                                     </del>			<u> </u>						<del></del> .						166.3151	15000	24.947							24.947
8	8th Year Maint of Plantation					<del> </del>		† <del></del> -			<del>-</del> -		_					<del>                                     </del>								166.3151	16600	27.608				27.608
K 2	Digging of CPCT work (5.00 kms) Trench Size Top Width 1.00 M, Bottom Width 1.50 M,	17500	42.400	7.420						<del> </del>																			166.3151	18200	30.269	30.269
	Depth: 2.00 M (Unit Cum) Construction of Checkdam	1	1000000	10 000	<u> </u>	<u> </u>		ļ.,		}	<u> </u>				}																	7.420
R	Caising of Bund planting		TOWNSON	10.000	<del>                                     </del>	├──	<del> </del>	<del> </del>	·	ļ		-															<u> </u>					10.000
Ü	vith Pongamia and Dibbling of Gacchakaya ood														· ·												*					********
Į.	Raising of Plantation				5.00	14000	0.700											-														
4	st Year Maint of Plantation and Year Maint of					<u></u>	<u> </u>	5.00	4000	0.200		L					- 1															0.700
	Planiation						<u> </u>				5.00	4400	0.220																			
3:	rd Year Maint of Plantation		<u> </u>											5.00	4900	0.245				<u> </u>							<u> </u>		$ \rightarrow$			0.220
	th Year Maint of Plantation				-										-		5.00	5400	0.270	·									<del></del>			0,245
	th Year Maint of Plantation																5.00	J200	0.270	5.00	5900	0.20=										0.270
(I 0.	French size 6.00 M x 0.30M x 45 M) (200 Nos 6x0.3x0.45=162 Cum	162.00	242.48	0.393																2.00	5750	0.235	-								_	0.295
na hi	rotection of watcher for atural plants around the Block (2 Watchers) for 12 fonths	2x9 M	7500	1.350	2x12 M	8250	1.980	2x32 M	9075	2.178	2x12 M	9983	2.396	2x12 M	10981	2.635	2x12 M	12079	2.899	2x12 M	13287	3.189	2x12 M	14615	3.508	2x12 M	16077	3.858	2x12 M	17685	4.244	28,237
L	SUB-TOTAL			27.395			54.238	·		19.841			19.746			21,674													-A IVI	17.003	7.474	40,43/
- 1	GRAND TOTAL			142.737			143.283			53.312		i	17, 40			27.674		i [	23.792		- Т	26,269			28.455			31.467			34.514	287,391

		2017-18			2018-19			2019-20	)		2020-21		_																		
Item of work	Phy	2	Amount in lakhs		۵	unt		T	t s		2020-21	_	-	2021-22			2022-23		T	2023-24			2024-25								
	五	Rate	lal n	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	2	9	Amount in lakhs	_	0.	t st		T	1		2024-25			2025-26	_		2026-27		7
II Overhead Misc Exp (10%)		-	14.274		-			12	An in	Δ.	22	l m	Phy	Rate	mo Las	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	2	9	Amount in lakhs			nt nt	
Publicity Awareness		-	14.2/4		-	14.328	3		5.331		-	5.369	-	-				A i	-	~	Am	2	25	n la	Phy	Rate	non	Phy	Rate	Amount in lakhs	
generation and Entrypoint		1	40.000			0.000					+	0.507	-	-	5.895			6.473			7.143			7.700	-				100	An ii	
Activities			10,000			0.000			0.000			0.000	1		0.000			80098090						7.700	-	-	8.509			9.337	
Administration and					+	-	-	-							0.000		1	0.000			0.000		}	0.000			0.000				T
Infrastructure and Monitoring cost		1	70.000			0.000	1		0.000								-		-					0.000			0.000		1	0.000	- 1
Boundary Demarcation in		-				-			0.000			0.000	1	1 1	0.000		1	0.000											-	-	4
the proposed area			30.000			0.000				-	-	-	-					0.000			0.000			0.000			0.000			0.000	
Forest Protection		-	30.000		-				0.000		1	0.000	1		0.000			0.000		_				-						0.000	-1
PROTECTION OF CA			30.000			0.000			0.000			0.000	-	-							0.000			0.000			0.000			0.000	1
LAND GRAND TOTAL			327.011			157.611			F0.444						0.000			0.000			0.000			0.000	-					0.000	
					-				58.643			59.057			64.845			71.200			70.000						0.000			0.000	I
RAISING OF PLAN	TATIC	NI TAL T	DECR	DED									-	+			-	7 41200			78.573			84.698			93.603			102.702	,
Nurseries	IMIL	I VII VI	DEGKA	DED A	REA (S	SUITA	BLE FO	R PLAN	VITATIO	NINP	FDDA	PATT	VANID	BEADIN	TYY												-			102.702	1
RAISING OF PLAN Nurseries Raising (453.2955 Ha x									T	T	LUDZ	TALL	AND	WAN	IHAN	RANG	ES OF	PEDD	APALL	Y DIV	ISION						-	-			1
1333=604242 or 605000 Bag	605000	24.00										-		-										-			-				
plants)	000000	24.00	145.200			0.000			0.000		1	0.000												-							T
Maintenance				605000	7.00		-					0.000			0.000			0.000			0.000	1									T
SUB-TOTAL			145.200	603000	7.00	42.350 42.350	-		0.000		Control of the contro	0.000			0.000		-										1				
Raising of Plantation			1101200		-	42.350	-		0.000			0.000			0.000		-	0.000			0.000						-				4
(SMM)		1												+	0.000		-	0.000			0.000										4
Advance Operation	453.2955	25300	114.684		-															- 6											+
Raising of Plantation			1111001	453.2955	57000	250.250	-													_							1				
1st Year Maint.of Plantation				100.2700	37000	258.3/8	-																			70 - 00 - 00 -					+
2nd Year Maint.of							453.2955	30700	139.162								-														+
Plantation																		- 1													+
										453.2955	19100	86.579									-	-									
3rd Year Maint.of Plantation	- 1	- 1	1									-		-					0.0			1									+
4th Year Maint.of Plantation		-	-								() (m) ()		453.2955	21000	95.192							-		-							
rut Tear Maint, of Plantation																	-														
5th Year Maint.of Plantation						-										453.2955	23100	104.711													+
																															1
6th Year Maint.of Plantation																			453.2955	25400	115.137										+
	-								1																						
7th Year Maint.of Plantation		- 1	- 1	1		VA. N. 11385 EU-																453.2955	27900	126.469							1
8th Year Maint.of Plantation		-													1											_					1
					- 1									-											453.2955	30700	139.162				1
SUB-TOTAL			114.684		-	258.378												- 1													+
GRAND TOTAL			259.884			300.728			139.162			86.579			95.192		-	104.711		-								453.2955	33800	153.214	1
Overhead Misc Exp (10%)			25.988		-	30.073	-		139.162			86.579			95.192			104.711			115.137			126.469			139.162			153.214	1,
AISING OF					-	30.073			13.916			8.658			9.519			104.711		-	115.137			126.469			139.162			153.214	-
LANTATIONS IN	- 1				1													23.7/1		-	11.514			12.647			13.916			15.321	-
EGRADED AREA			285.872			330.801	- 1		153,078	- 1		95.237	1			1			1	1										-OIDEL	+
RAND TOTAL							1			1		33.237		1	104.711			115.182			126.651			139.116			150 00-				
RAND TOTAL			612.883		-	488.412		-	-																		153.078			168.535	1
						100.412			211.721			154.294		1	169.556		_	186.383		-	205.224										
																-		200.000			705 774			223.814			246.681			271.237	4

District Forest Officer Peddapally

Chief Conservator of Forests
Karimnagar Circle, Karimnagar

### Infrastructure for developing the nursery

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
1	Errection of Chainlink fencing/ Construction of Compound wall around the nursery			LS		2000000
	Construction and maintenance of seed store room			LS		750000
3	Electricity charges and Water charges					
4	Procurement of UPS / Generator in case of power failure			LS		400000
	TOTAL					3150000

### Raising of Misc 10,000 Nos bag plant nursery 10 Beds)

	ltem of work	FSR Item N	lo. Qt	y Ra	ite Per	Amoun
		5000	Direc	t bags		<del></del>
		5000	Prim	ary Beds		_
	Deimon D. J.M.	10000				
	Primary Bed Nursery					
	Raising of Primary beds of size 1x1x0.3 m. f	or				
	raising of Red sander species) (50 Beds, Per Bo 100 Nos)	ed				
1	Preparation of Old site by clearing the site I	hv		<del></del>		<del></del>
	[dismantling old beds	01.01.02	50.0	0   1.0	8 Per Be	d 54
2	Digging soil to a depth of 30 cm	01.01.03	50.0	0 33.2	26 Per Bec	1 1663
3	Cost of sandy soil and transportation with 5 km	ns	<u> </u>		10, 20,	1003
	lead leading and unloading charges (sandy soil an	nd 01.01.04	F0.0	. ا م ا		.
	FYM, in 5:1 ratio i.e.,0.125 cum sandy soil and 0.02	25 01.01.04	50.0	0   25.4	5 Per Bed	1 273
1	cum FYM per primary bed					1
4	For every extra km beyond 5 km upto 25 km (4 kms)	01.01.05	50.00	0 45.4	F D D	
4	Cost and transport of 0.025 cum FYM				5 Per Bed	2273
<del>-</del>	Mixing of sandy soil and FYM	01.01.06	50.00			
	Covering the beds with dried grass and leaf litter and	01.01.07	50.00	9.49	Per Bed	473
4	burning them to ash which can from the upper layer	01.01.00			_	
	a state of ask which can from the apper layer	01.01.08	50.00	10.8	0   Per Bed	540
4	Cost of seed	01.01.10	<del>                                     </del>	<del></del>		<del></del>
7	Sowing of seed	01.01.10	50.00	10.71		5000
3	Watering the primary nursery beds with rose water	r 01.01.12	50 x 2			
	cans for a maximum period of 2 months	01.01.13	Month	1 17 17	Per Bed /	1210
0	Cost of insecticides / Fertilizers	01.01.15	PIONUI	As per ac	Month	-
<u> </u>	Application of insecticides / Fertilizers	01.01.16	<del>                                     </del>	by watc		1000
	Misc Exp		<del> </del>	Jy wate	101	0 884
	Sub-Total-I			<del> </del>	<del></del>	16000
	Bed size 10x1x0.25 Mts (Bag size 4"x7")			·	<del></del>	10000
	Bag Plant Nursery (10000/2600=3.84 or 4 Beds			1	-	
$\dashv$	Sita proporation 6				. 1	!!!
	Site preparation for old site - Clearing of growth, weeds, grass etc.,	01.03.02	6.00	11.56	D. D.	
+	Cost and transport of ingradients for Potting mixture		0.00	11.50	Per Bed	69
	Red soil and Clayey soils in 2:1 ratio upto 5 Kms lead			1		
	son and diayey sons in 2:1 fado upto 5 kms lead	01.03.05	10000	174.06	1000	1741
70	Cost and transport of ingradients for Potting mixture					
	Red soil and Clayey soils in 2:1 ratio beyond 5 Kms	01.03.07	10000	22.22	1	
_]1	ead (20 Kms)	01.03.07	10000	90.80	1000	908
F	alignment of beds including alignment of inspection		<del></del>	<del> </del>	<del>                                     </del>	
_p	eath etc.,	01.03.11	6.00	6.59	Per Bed	40
P	reparation of potting mixture Red Soil and Clayey	<del>-</del>	<del></del>	<del> </del>	<del> </del>	
S	oil in 2:1 ratio by powdering of various ingradients			]		
S	leving and mixing them in the prescribed			1		
p	roportion, Opening the bags and filling with potting	01.03.09	10000	509.22	1000	5092
m	sixture and gently pressing the same with finger	j		ļ	1 1	
10	ps and arranging in beds				]	
100	ost of Polythene bags 4x7, 200 gauge 4x7	01.03.03	10	125.00		
D.	ncluding 10% casualities) (589 bags /Kg)	01.03.03	19	135.00	Kg	2565
1 4 5	cking out seedlings from primary beds and ansplanting in bags	01.03.12	10000	122.74	1000	400-
tra	atering the plants twice a day from July to October			162.74		1227
tra		01.03.14	6x4	238.19	Per Bed /	5717
tra	1		Months		Month	3/1/
W	eeding the beds	<del>  -</del>				
W	eeding the beds					
W	eeding the beds  1st Weeding - July	01.03.16	6.00	43.74	Per Bed /	262
W	1st Weeding - July	01.03.16	-	43.74	Per Bed / Weeding	262
W			-	43.74	Per Bed / Weeding Per Bed /	
W	1st Weeding - July	01.03.16	6.00		Per Bed / Weeding	262

Sl. No.	TESTE OF WOLK	FSR Item No	o. Qty	Rat	e Per	Amour	11
11	Shifting and Grading and re-arranging in beds for 10m x 1m size bed (1700 5"x9" bags)	01.03.19	6.00	204.2	Per Bee Shiftin		_
	Replacement of casualities after sorting out the empty bags and keeping at one end of the bed	01.03.20	0.6	58.0			_
13	Cost of chemicals, Insecticides, pesticides etc.	<del> </del>	<del>-  </del>	Agnoros	<u> </u>		_
17	Watch and Ward for the month of July to October	- <del>-</del>	1 No x	As per ac		5000	_
	Misc exp		Month		00 Per Mor	th 30000	
						839	_
- 1	Conversion (4"x7" to 6"x12")		ļ			55245	-
i	Bag Plant Nursery (10000/1100=9.09 or 10.00 Beds						_
	ost and transport of ingradients for Potting mixture Red soil, Tank silt,FYM upto 5 km lead	01.03.26	10000	494.2	9 1000	4943	_
K	ost and transport of ingradients for Potting mixture led soil, Tank silt,FYM beyond 5 km to 25 Kms lead	01.03.31	10000	257.60	1000	2576	-
si pi m tip	reparation of potting mixture Red Soil and Clayey oil in 2:1 ratio by powdering of various ingradients, eving and mixing them in the prescribed roportion, Opening the bags and filling with potting ixture and gently pressing the same with finger os and arranging in beds	01.03.36	10000	870.78	1000	8708	
4 W	eeding the plants			<del></del>	<del> </del>		l
	1st Weeding - Dec	01.03.44	10.00	43.74	Per Bed / Weeding		
5 Sh	2nd Weeding - Feb	01.03.45	10.00	43.74	Per Bed / Weeding	407	
110	ifting and Grading and re-arranging in beds for m x 1m size bed (1700 5"x9" bags)	01.03.46	10.00	204.28	Per Bed / Shifting	2043	
	atering the plants twice a day from Nov to March	01.03.47	10 x 5 Months	238.19	Per Bed / Month	11910	
	st of chemicals, Insecticides, pesticides etc.,		As	per actua		5000	
	tch and Ward for the month of July to October		1 No x,5 Months	7500.00	Per Month		
Cos Mis	t of Polythene bags 6x12		37	135.00	Kg	4995	
, IVIIS	с ехр					367	
	Sub-Total-III	T				170000	
	GRAND TOTAL(10000 Nos)					241245	
	2016-17				Each Bag	24.12	
			T		Or	24.00	

### Maintenance of Misc Bag nursery from April to August

Sl. No.	recit of work	FSR Item No.	Qty	Rate	Per	Amount
1	Watering the plants for 10M x 1 M size bed from April to August (6"x12")	01.04.01	10x 5 Months	238.19	Per bed / Month	11910
	Weeding once during maintenance year	01.04.03	10.00	43.74	Per bed / weeding	437
- 1	Shifting and Grading and Re-arranging in beds for 10 M x1 M size bed (Once in April and another in June)	01.04.04	10.00	215.68	Per Bed / Shifting	2157
4	Cost of cow dung slurry	01.04.07				
5	Application of cow dung slurry		10000	As per act	tuals	5000
6	Watch and Ward for the word of	01.04.08	10000	179.17	1000	1792
/	Watch and Ward for the month of April to		1 No x 5 Months	7500.00	Per Month	37500
/  1	Misc Exp					F20F
	2016-17					5205
	2017-18 (Add 10% Escallation charges)					64000
	Per bag					70400
	1 ci bag					7.040

1 Ha: Unit cost

Advance Operations for Raising of Gap planting

SI. No	Itam of week	FSR Code	Qty	Rate	Units	Amount
1	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	02.01.01	1.00	311.04	Plantation	311
2	Clearing unsealable unwanted jungle growth, Spreading the cut material allover the site and Burning the same twice till completely burnt.					
а	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.01.03	0.50	2598.59	На.	1299
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.01.06	0.50	5207.65	На.	2604
3	Misc Exp					224
	2016-17					286
3 .	Add 10% Escallation charges					4500
	2017-18					450 <b>4950</b>

1 Ha: Unit cost
Raising of Gap planting (LIM) (6"x12" Bag Plants)

S	Itomo of a		<del></del>	T -		<del></del>
N	<del></del>	FSR Code	Qty	Rate	e Per	Amount
1	of Base line		200	74.2	0 100	14
2	soils)	02.01.13	200	21.2	3 each	4246
3	plantation site including loading and unloading  Total:30 KMs					
	Upto 5 Kms	02.02.02	200	96.79	100	194
<u></u>	Beyond 5 Kms (25 KMs)	02.02.05	200	84.50		169
4	Internal transport of bag plants to planting points on head loads.	02.02.08	200	76.25		153
5	Planting Bag Plants :45cmX45cmX45 cm pits	02.02.16	200	363.33	7 100	727
6	Blasting charges for planting pits (200x0.45x0.45x0.45=18.225)		18.22	81.40	Cum	1484
7	Transportation of soils for gap planting (200x0.45x0.45x0.45=18.225)		18.225	649.00	Cum	11828
	Cost of soil	40.00	· · ·	<del>                                     </del>	<del>-</del>	
	Transportation (50 KMs)					
	Lead upto 5 Kms	84.00				
	for every Km beyond 5 Km upto 30KMs (25)	315.00				
	for every Km beyond 30KMs (20 Kms)	210.00			++	
_	Per Cum	649.00		<u> </u>	<del>                                     </del>	
8	Cost of DAP	02.02.18	200	As per a	ctuals	400
	Application of fertilizer	02.02.19	200	32.62	100	65
	1st Circular weeding to a radius of 0.5m around the plant after 30 days of planting		200	103.79	100	208
	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.02.21	200	103.79	100	208
	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.02.23	200	545.08	100	1090
2	Replacement of Casualties 20% during Raising & 25% in 1st year (In case off Eucalyptus 10% during raising and no casuality replacement for urther maintenance) (200x20%=40)	02.02.17				
	Pitting - 50% rate	02.01.13	40	1061.50	100	425
	Planting - 50% rate	02.02.16	40	181.69	100	73
-	Transportation -50% rate	02.02.02	40	48.40	100	19
	Transportation -50% rate	02.02.05	40	42.25	100	17
4 C	Internal transport ation-50% rate	02.02.08	40	38.13	100	15
4 C.	reation of Fire lines 3 mts wide		100	5.08	Rmt	508
1	atch and ward (7500x9M=67500 per 20 Ha for Ha 67500/20=3375/-	02.02.29	1	3375.00	PM	3375
~ 1 INI	isc exp					250
+-	2016-17		$ \downarrow$			25600
_	2017-18 (Add 10% Escallation charges) 2018-19 (Add 10% Escallation charges)					28160
+	x> (Mul 10% Establation charges)					30976
					Or	31000

#### 1 Ha:Unit cost

### 1st Year maintenance of Gap Planting

Sl.   Item of work   FSR Code   Qty   Rate   Unit   Amount							
The plant   C2.03.02   C200   C2.03.79   C2.03.79   C2.03.79   C2.03.79   C2.03.79   C2.03.79   C2.03.79   C2.03.79   C2.03.03   C2.03.03   C2.03.03   C2.03.79   C		Ita	FSR Code	Qty	Rate	Unit	Amount
2   2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting   02.03.03   200   103.79   100   208		1st Circular weeding to a radius of 0.5m around the plant	02.03.02	200	103.79	100	208
Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils   Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils		around the plant after 90 days of planting	02.03.03	200	103.79	100	
B 25% in 1st year (In case off Eucalyptus 10% during raising and no casuality replacement for further maintenance) (200x25%=50)	3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.03.05	200	545.08	100	1090
Planting   02.02.16   50   363.37   100   182	4	& 25% in 1st year (In case oif Eucalyptus 10% during raising and no casuality replacement for	02.03.06				
Planting   02.02.16   50   363.37   100   182	<b>—</b>	Pitting	02.01.13	50	21 23	onch	1060
Transportation upto 5 KMs 02.02.02 50 96.79 100 48  Transportation above 5 KMs 02.02.05 50 84.50 100 42  Internal transport ation 02.02.08 50 76.25 100 38  Fruning of lower branches 02.03.08 200 103.19 100 206  Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/- 02.03.10 1 4500.00 PM 4500  Misc exp 2016-17 216  2017-18 (Add 10% Escallation charges) 2018-19 (Add 10% Escallation charges) 9438  2019-20 (Add 10% Escallation charges) 9438	<u> </u>	_ <del> </del>					
Transportation above 5KMs 02.02.05 50 84.50 100 42  Internal transport ation 02.02.08 50 76.25 100 38  Fruning of lower branches 02.03.08 200 103.19 100 206  Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/- 02.03.10 1 4500.00 PM 4500  Misc exp 2016-17 2017-18 (Add 10% Escallation charges) 2018-19 (Add 10% Escallation charges) 2019-20 (Add 10% Escallation charges) 9438  2019-20 (Add 10% Escallation charges) 10381	<u> </u>	Transportation upto 5 KMs					
Internal transport ation   02.02.08   50   76.25   100   38   38   38   38   39   38   39   38   39   38   39   38   39   39	<u> </u>	Transportation above 5KMs					
5   Pruning of lower branches   02.03.08   200   103.19   100   206	<u> </u>	Internal transport ation					
6 Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/- 7 Misc exp  2016-17 2017-18 (Add 10% Escallation charges) 2018-19 (Add 10% Escallation charges) 2019-20 (Add 10% Escallation charges) 10381		Pruning of lower branches	02.03.08				
2016-17   2017-18 (Add 10% Escallation charges)   2018-19 (Add 10% Escallation charges)   2019-20 (Add 10% Escallation charg		for 1 Ha 90000/20=4500/-	02.03.10	1			
2016-17   7800	7_	Misc exp		<del></del>			24.6
2017-16 (Add 10% Escallation charges)   8580	<u> </u>					<del></del> +	
2018-19 (Add 10% Escallation charges)  2019-20 (Add 10% Escallation charges)  10381	<u> </u>	2017-18 (Add 10% Escallation charges)					
2019-20 (Add 10% Escallation charges) 9438 10381		2018-19 (Add 10% Escallation charges)			<del></del>		
		2019-20 (Add 10% Escallation charges)					
						or	

1 Ha:Unit cost

SI.		1	T			
No		FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
4	Cutting of coppice growth	02.04.05	1	810.22	T.I.	
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	Ha PM	4500
	Misc exp					
	2016-17					184
	2017-18 (Add 10% Escallation charges)					7000
	2018-19 (Add 10% Escallation charges)					7700
T	2019-20 (Add 10% Escallation charges)					8470
	2020-21 (Add 10% Escallation charges)					9317
	(					10249
					or	10300

1 Ha:Unit cost

SI.						
No No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
5	Cutting of coppice growth	02.04.05	1	810.22	На	810
	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	PM	4500
6	Misc exp					184
$\rightarrow$	2016-17					
-+	2017-18 (Add 10% Escallation charges)					7000
	2018-19 (Add 10% Escallation charges)					7699
	2019-20 (Add 10% Escallation charges)					8469
	2020-21 (Add 10% Escallation charges)					9316
	2021-22 (Add 10% Escallation charges)					10248
	(Find 20 70 Escanation charges)					11273
					or	11300

1 Ha:Unit cost

CI						
SI. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
4	Cutting of coppice growth	02.04.05	1	810.22	На	04.0
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	PM	4500
6	Misc exp		-			
	2016-17					184
	2017-18 (Add 10% Escallation charges)					7000
	2018-19 (Add 10% Escallation charges)					7699
	2019-20 (Add 10% Escallation charges)					8469
	2020-21 (Add 10% Escallation charges)					9316
	2021-22 (Add 10% Escallation charges)					10248
	2022-23 (Add 10% Escallation charges)					11273
	that ges)					12400

1 Ha:Unit cost

SI.				1	T	
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
	Cutting of coppice growth	02.04.05	1	810.22	На	010
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	PM	4500
	Misc exp					
	2016-17				-	184
	2017-18 (Add 10% Escallation charges)					7000
1	2018-19 (Add 10% Escallation charges)					7699
	2019-20 (Add 10% Escallation charges)					8469
	2020-21 (Add 10% Escallation charges)					9316
	2021-22 (Add 10% Escallation charges)					10248
	2022-23 (Add 10% Escallation charges)					11273
$\neg$	2023-24 (Add 100/ Escallation charges)					12400
$\dashv$	2023-24 (Add 10% Escallation charges)					13640
					or	13700

1 Ha:Unit cost

SI.		l -	<del></del>	<del></del>	<del></del>	
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
	Cutting of coppice growth	02.04.05	1	810.22	Ha	810
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	PM	4500
	Misc exp					184
	2016-17					7000
	2017-18 (Add 10% Escallation charges)					7699
	2018-19 (Add 10% Escallation charges)			<del>  </del>		
	2019-20 (Add 10% Escallation charges)					8469
[	2020-21 (Add 10% Escallation charges)		·			9316
	2021-22 (Add 10% Escallation charges)					10248
	2022-23 (Add 10% Escallation charges)					11273
	2023-24 (Add 10% Escallation charges)	<del></del>	<del></del>		<del></del>	12400
	2024-25 (Add 10% Escallation charges)	<del></del>			<del></del>	13640
	— thinges	<del></del>		<del></del>		15004
	<u> </u>	<u> </u>			or	15000

1 Ha:Unit cost

Sl.		Т		<del>,</del>	<del>,</del>	
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
	Cutting of coppice growth	02.04.05	1	810.22	Ha	810
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	РМ	4500
6	Misc exp				···	
	2016-17					184
	2017-18 (Add 10% Escallation charges)					7000
	2018-19 (Add 10% Escallation charges)					7699
	2019-20 (Add 10% Escallation charges)					8469
	2020-21 (Add 10% Escallation charges)					9316
	2021-22 (Add 10% Escallation charges)			<del></del>		11273
	2022-23 (Add 10% Escallation charges)					12400
	2023-24 (Add 10% Escallation charges)				<del></del>	13640
	2024-25 (Add 10% Escallation charges)				<del>  </del>	
	2025-26 (Add 10% Escallation charges)		<del>- 1</del>			15004 16505
_					or	16600
						10000

8th Year maintenance of Gap Planting

1 Ha:Unit cost

SI. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	200	103.79	100	208
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	200	103.79	100	208
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Hard Gravel soils	02.04.04	200	545.08	100	1090
	Cutting of coppice growth	02.04.05	1	810.22	Ha	810
5	Watch and ward (7500x12M=90000 per 20 Ha for 1 Ha 90000/20=4500/-	02.04.08	1	4500.00	 РМ	4500
	Misc exp				<del></del>	
	2016-17	<del></del> -	·		<del></del>	184
	2017-18 (Add 10% Escallation charges)	<del></del>			<del></del>	7000
	2018-19 (Add 10% Escallation charges)	·			· · · · · · · · · · · · · · · · · · ·	7699
	2019-20 (Add 10% Escallation charges)	<del></del> +				8469
	2020-21 (Add 10% Escallation charges)	<del>+</del>				9316
$\neg$	2021-22 (Add 10% Escallation charges)					10248
	2022-23 (Add 10% Escallation charges)	<del></del>				11273
	2023-24 (Add 10% Escallation charges)	<del></del>	<del></del>			12400
	2024-25 (Add 10% Escallation charges)	<del></del>				13640
	2025-26 (Add 10% Escallation charges)					15004
_	2026-27 (Add 10% Escallation charges)					16505
	2026-27 (Add 10% Escallation charges)					18155
		<u>_</u>			or	18200

## Raising of Bund planting (LIM) (Pongamia: Top: Esp 4.00 Mts) and Slopes dibbling of Gacchakaya seeds esp 1.00 Mt

SI. No.	I tem of work	FSR Code	Qty	Rate	Per	Amount
	Raising of Gacchakaya					
1	Cost of Gacchakaya (1 KM)		6	200	Kg	1200
2	Dibbling of Gacchakaya on bund slopes	05.08.18	1	374.30	Km	374
	Raising of Pongamia bag plants (Esp:4.00 Mts)					-
3	Cost of 0.45 M Stake preparation and	02.01.09	250	47.30	100	118
	transportation to site.					
4	Digging of pits in Ordinary soils 45 cm. cube	02.01.11	250	18.75	each	4688
5	Transportation of bag plants from nursery site					
	to planting site		<del></del>	ļ		
	Upto 5 Km lead	02.02.02	250	96.79	100	242
	Beyond 5 Kms to 25 Kms lead (20 Kms)	02.02.05	250	67.60	100	169
	Beyond 25 Kms lead (25 Kms)	02.02.08	250	42.25	100	106
6	Internal transport of bag plants to planting points on head loads.	02.02.11	250	76.25	100	191
7	Planting Bag Plants: 45cmX45cmX45 cm pits	02.02.16	250	363.37	100	908
- 1	1st Circular weeding to a radius of 0.5m around the plant after 30 days of planting	02.02.20	250	103.79	100	259
9	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.02.21	250	103.79	100	259
10	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.02.22	250	363.37	100	908
	Cost of Fertilisers	02.02.18	250	As per ac	tuals	500
12	Application of fertilizer after planting by	02.02.19	250	32.62	100	82
	making 3 holes of 10 cmts depth with crow bar					~_
	10 cmts away from plant amd putting	[			1	
1	fertilizers and closing	}			1	
	Replacement of Casualties 20% during Raising	02.02.31				
	& 25% in 1st year (In case oif Eucalyptus 10%	-				
	during raising and no casuality replacement	1				İ
	for further maintenance) (250x20%=50)					
$\exists$	Pitting - 50% rate	02.01.11	50	937.50	100	469
	Planting - 50% rate	02.02.16	50	181.69	100	91
	Transportation upto 5 Kms-50% rate	02.02.02	50	48.40	100	24
	Transportation beyond 5 to 25 Km-50% rate	02.02.05	50	33.80	100	17
	Transportation beyond 25 Km-50% rate	02.02.08	50	21.13	100	11
+	Internal transport ation-50% rate	02.02.11	50	38.13	100	19
4	Misc Exp					865
-	2016-17					11500
-	2017-18 (Add 10% Escallation charges)					12650
-	2018-19 (Add 10% Escallation charges)					13915
L					0r	14000

### 1st Year maintenance of Bund Planting

1 KM:Unit cost

		<del></del>				
Si N	I town of amount.	FSR Code	Qty	Rate	Unit	Amount
1	0.5m around the plant	02.03.02	250	103.79	100	259
2	0.5m around the plant after 90 days of planting	02.03.03	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.03.04	250	363.37	100	908
4	Replacement of Casualties 20% during Raising & 25% in 1st year (In case oif Eucalyptus 10% during raising and no casuality replacement for further maintenance) (250x25%=62)	02.03.06				
	Pitting - 50% rate	02.01.11	50	937.50	100	460
	Planting - 50% rate	02.02.16	50	181.69	100	469
	Transportation upto 5 Kms-50% rate	02.02.02	50	48.40	100	91 24
	Transportation beyond 5 to 25 Km- 50% rate	02.02.05	50	33.80	100	. 17
	Transportation beyond 25 Km-50% rate	02.02.08	50	21.13	100	11
	Internal transport ation-50% rate	02.02.11	50	38.13	100	19
5	Pruning of lower branch	02.03.08	250	103.19	100	258
6	Misc exp					684
	2016-17					3000
	2017-18 (Add 10% Escallation					3300
	charges) 2018-19 (Add 10% Escallation					3300
	charges)					3630
	2019-20 (Add 10% Escallation					
	charges)					3993
					or	4000

#### 2nd Year maintenance of Bund Planting

SI.	T		I	T		
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting		250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	На	810
5	Misc exp			010.22	Tiu	762
	2016-17					3000
	2017-18 (Add 10% Escallation charges)	×				3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
	2020-21 (Add 10% Escallation charges)					4392
	•				or	4400

### 3rd Year maintenance of Bund Planting

SI. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	На	
5	Misc exp			010.22	па	810
	2016-17					762
	2017-18 (Add 10% Escallation					3000
	charges)					3300
	2018-19 (Add 10% Escallation					
	charges)					3629
	2019-20 (Add 10% Escallation					
	charges)					3992
	2020-21 (Add 10% Escallation					
$\dashv$	charges)					4392
	2021-22 (Add 10% Escallation		-			-
_	charges)					4831
					or	4900

### 4th Year maintenance of Bund Planting

SI. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
	Coppice cutting growth	02.04.05	1	810.22	На	010
5	Misc exp			010.22	114	810
	2016-17					762
	2017-18 (Add 10% Escallation					3000
	charges)	1		ļ		3300
	2018-19 (Add 10% Escallation			-		
	charges)					3629
	2019-20 (Add 10% Escallation					
	charges)			1	- 1	3992
	2020-21 (Add 10% Escallation					
	charges)			1		4392
	2021-22 (Add 10% Escallation	-	$\neg +$			
	charges)	1				4831
	2022-23 (Add 10% Escallation					
-	charges)					5314
					or	5400

### 5th Year maintenance of Bund Planting

Sl.		<del>,                                      </del>			<del></del>	
No No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	Ha	810
5	Misc exp					762
	2016-17				<del></del>	3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
_	2020-21 (Add 10% Escallation charges)	_				4392
	2021-22 (Add 10% Escallation charges)					4831
	2022-23 (Add 10% Escaliation charges)					5314
	2023-24 (Add 10% Escallation charges)					5845
$\neg \uparrow$	chai ges)			<del> -</del>		
					or	5900

### Publicity Awareness generation and Entrypoint Activities

SI. No.	Item of work	Qty	Rate	Per	Amount
1	Publicity boards for awareness on forest and Environments		LS		1000000
2	Awareness generation programme for the public like organising seminars / workshops etc.,				
3	Study tours for forest front line staff		LS		1000000
4	Entry point activities for adjoining villages training and capacity buildings		LS		2000000
	TOTAL				4000000

### Administration and Infrastructure and Monitoring cost

SI. No.	Item of work	Qty	Rate	Per	Amount
1	Purchase of GPS, Computers and other equipments etc.,		LS		500000
2	Purchase of Fire Fighting equipments		LS		500000
	Remuneration for Computer Assistants/ for monitoring				
- 0	Monitoring Evaluation and Administrative		LS		1000000
ļt.	Purchase of vehicles (2 Innova + 1 Bolero) for he supervision monitoring and evaluation by Forest Officers at the Division and Circle level		LS		5000000
	TOTAL				7000000

## Boundary Demarcation in the proposed area

SI. No.	Item of work	Qty	Rate	Per	Amount
1	Construction of boundary pillars	150	10000	Each	1500000
2	Errection of Chainlink / Wall alongwith Gate wherever trench not possible		LS		1500000
	TOTAL				3000000

#### **Forest Protection**

SI. No.	Item of work	Qty	Rate	Per	Amount
1	Errection of Watch Tower		LS		500000
2	Protection quarters for frontline staff		LS		2500000
	TOTAL				3000000

#### Advance Operations for Raising of NTSH Plantation 3 X 3 M. (SMM)

Sl. No	Item of work	Code	Qty	Rate	Units	Amount
1	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	02.08.01	1.00	311.04	Plantation	311
2	Clearing unsealable unwanted jungle growth, Spreading the cut material allover the site and Burning the same twice till completely burnt.					
а	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.03	0.50	2598.59	На.	1299
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.04	0.50	5207.65	На.	2604
3	Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling.					
a	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.06	0.50	8434.51	Ha.	4217
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.07	0.50	10965.25	На.	5483
4	Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site.					
- 3	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.08	0.50	7363.33	На.	3682
n i	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.09	0.50	8585.68	На.	4293
5	Misc Exp					1111
	2016-17					23000
	2017-18 (Add 10% Escallation charges)					25299
	2017-18 (Add 10% Escallation charges)				Or	25300

### Raising of NTSH Plantation 3x3M (Semi Mechanical Method)

SI No	Itom of work	FSR Item No.	Qty	Rate	Per	Amount
1	Deep ploughing the plantation area to a		1			
	depth of 30 cm with heavy duty tractor of 45		Í			
	HP and above across the slope with mould		ļ			
	board plough (Untilled areas)	1			:	
-	Ordinary soils	02.09.01	1.00	3004.60	На	3005
2	Removing congestion of root suckers and	92.07.02	1.00	3001.00	IIA	3003
	other uprooted material hindering the				ł	
Į	effective ploughing (For Non-tilled area	02.09.04	1	853.42	Ha	853
	only)					
3	Alignment and staking including laying base	<del>-</del>		<u> </u>		
1	line for Misc with espacement 3m x 3m	02.09.07	1111	63.30	100	703
	(1111 Nos)				100	, 00
4	Cost of 0.45 M stake preparation and	02.00.00	444	1.5.0.0		·
	transportation to site	02.09.09	1111	47.30	100	526
5	Digging of 45 cm cube pits	02.09.11	1111	8.84	each	9821
6	Transportation of bag plants from nursery		<del>- ,, ,</del> ,	<del> </del> -		···
1	site to plantation site including loading and					
1	unloading (6x12 bag size) Total:60 KMs				Ĭ	
ļ	Upto 5 KMs	02.09.13	1111	96.79	100	1075
<u> </u>	beyond 5 Kms to 25 Kms	02.09.16	1111	67.60	100	751
	above 25 Kms (35 Kms)	02.09.19	1111	59.15	100	657
7	Internal transportation of bag plants to	02.09.22	1111	76.25	100	0.45
	planting points on head loads	04.07.22	1111	76.25	100	847
8	Planting bag plants (45cmx45cmx45cm pits)	02.09.27	1111	363.37	100	4037
9	Cost of SSP	02.09.25	1111	As per acti	ials	2222
10	Application of SSP	02.09.24	1111	32.62	100	362
11	Circular weedung to a radious o 0.5 Mts	02.09.31	1111	103.79	100	1153
12	Circular weeding cum deep soil working to a		· · · ·			
	radious of 0.5 m and to a depth of 15 cm	02.09.32	1111	545.08	100	6056
l	around the plant					
13	Replacement of Casualities 20% (Bag	02.00.20	·	-		
_	plants) (1111x20%=222 Nos)	02.09.29				
	Pitting (50% rate)	02.09.11	222	442.00	100	981
	Planting(50% rate)	02.09.27	222	181.69	100	403
	Transportation:Upto 5 KMs(50% rate)	02.09.13	222	48.40	100	107
_	beyond 5 Kms to 25 Kms	02.09.16	222	33.80	100	75
	above 25 Kms (35 Kms)	02.09.19	222	29.58	100	66
	Internal transportation (50% rate)	02.09.22	222	38.13	100	85

SI. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
14	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in <b>Ordinary soils</b>	02.09.33	1.00	2048.90	На	2049
15	Cost of Chemical fertilisers	<b> </b>	1111	As per act	nals	2222
16	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar. 10 cm away from plant amd putting fertilizers and closing	02.09.30	1111	32.62	100	362
17	Cost of protection watcher (7500x9M=67500/20=3375)	02.09.38	1 No	3375	PM	3375
	Uprootal of Mahaveera weed (with prior approval of the CF/CCF)	02.09.36	1.00	3032.48	На	3032
	Pruning of lower branches	02.09.35	1111	103.19	100	1146
20	Misc Exp			200(2)	100	1026
	2016-17					47000
	2017-18 (Add 10% Escallation charges)					51700
	2018-19 (Add 10% Escallation charges)					56870
					Or	57000

#### 1st Year maintenance of NTSH Plantation

	<del> </del>	<del>, -</del> -	η	<del>,</del>	T
Item of work	FSR Code	Qty	Rate	Unit	Amount
cement of Casualties 20% during		<del> </del>	<del>                                     </del>		<del> </del>
g & 25% in 1st year (In case oif		]			
ptus 10% during raising and no	02.10.01				
ity replacement for further	ĺ				:
enance) (1111x20%=278)	1				
Pitting	02.09.11	278	884.00	100	2458
Planting	02.09.27	278	363.37	100	1010
Transportation: Upto 5 KMs		278	96.79	100	269
beyond 5 Kms to 25 Kms	02.09.16	278	67.60	100	188
above 25 Kms (35 Kms)	02.09.19	278	59.15	100	164
Internal transportation	02.09.22	278	76.25	100	212
r weedung to a radious o 0.5 Mts	02.10.02	1111	103.79	100	1153
r weeding cum deep soil working to a s of 0.5 m and to a depth of 15 cm the plant	02.10.03	1111	545.08	100	6056
al of Mahaveera weed (with prior ral of the CF/CCF)	02.10.04	1.00	3032.48	На	3032
oughing with heavy duty tractor of 45 depth of 30 cm in <b>Ordinary soils</b>	02.10.05	1.00	2048.90	На	2049
of lower branches	02.10.06	1111	103.19	100	1146
protection watcher 12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
ip .				<del></del>	762
2016-17		<del></del>			23000
7-18 (Add 10% Escallation charges)		<del></del>			23000
	1	į			25300
8-19 (Add 10% Escallation charges)					27830
9-20 (Add 10% Escallation charges)					
	<u>-</u>  .				30613
				or	30700
					or

### 2nd Year maintenance of NTSH Plantation

Sl.		T		I		
No.	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	РМ	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation					13000
	charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
					or	19100

### 3rd Year maintenance of NTSH Plantation

Sl.		Г				
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	РМ	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation					13000
	charges)					14300
	2018-19 (Add 10% Escallation					15730
	charges)					15750
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)		s =			19034
	2021-22 (Add 10% Escallation					
	charges)					20937
					or	21000

### 4th Year maintenance of NTSH Plantation

Sl.			T	1		
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation					
	charges)					14300
	2018-19 (Add 10% Escallation					
	charges)					15730
	2019-20 (Add 10% Escallation					17202
	charges)					17303
	2020-21 (Add 10% Escallation					19034
	charges) 2021-22 (Add 10% Escallation					17034
	charges)					
	2022-23 (Add 10% Escallation					20937
	charges)		1			22024
	enarges)					23031
					or	23100

### 5th Year maintenance of NTSH Plantation

Sl.			T			
No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation					
	charges)				1	14300
	2018-19 (Add 10% Escallation					
	charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation					
	charges)				1	20937
	2022-23 (Add 10% Escallation					20,37
	charges)		1			23031
	2023-24 (Add 10% Escallation					20001
	charges)					25334
					or	25400

District Forest Officer Peddapally

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### 6th Year maintenance of NTSH Plantation

Sl.		<del>r</del>	<del>                                     </del>	<del>,</del>		· · · · · · · · · · · · · · · · · · ·
No No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)		·			15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					2002
	2022-23 (Add 10% Escallation			-		20937
	charges) 2023-24 (Add 10% Escallation					23031
	charges) 2024-25 (Add 10% Escallation					25334
	charges)		_			27867
					or	27900

#### 7th Year maintenance of NTSH Plantation

Sl.	Item of work	FSR Code	Qty	Rate	Unit	Amount
No	The control of the second	T STY GOOD	Qty	Rate	Offic	Amount
1	Circular weeding cum deep soil working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation					
	charges) 2022-23 (Add 10% Escallation					20937
	charges) 2023-24 (Add 10% Escallation					23031
	charges)					25334
	2024-25 (Add 10% Escallation charges)					27867
	2025-26 (Add 10% Escallation charges)	-				30654
					or	30700

#### 8th Year maintenance of NTSH Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Onic	Amount
	working to a radious of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					
	2022-23 (Add 10% Escallation					20937
	charges) 2023-24 (Add 10% Escallation					23031
	charges) 2024-25 (Add 10% Escallation					25334
	charges) 2025-26 (Add 10% Escallation					27867
	charges) 2026-27 (Add 10% Escallation					30654
	charges)					33719
					or	33800