CA SCHEME FOR STRINGING PURPOSE

For Medicinal Plantation for 4.270 Ha (Passing transmission line of Length is 2134.80 M x 20 M width /10000= 4.270 Ha) in lieu of Diversion of Forest Land for Construction of Warora Pool- Warangal (New) 765 KV D/C Transmission Line in favour of Warora Kurnool Transmission Limited (WKTL) in Asifabad Division of Kumram Bheem Asifabad District.

Circle: Adilabad.

Compensatory Afforestation Scheme for Medicinal Plantation for 4.270 Ha (Passing transmission line of Length is 2134.80 M x 20 M width /10000=4.270 Ha) in Diversion of Forest Land for Construction of Warora Pool-Warangal (New) 765 KV D/C Transmission Line in favour of Warora Kurnool Transmission Limited (WKTL) in Asifabad Division of Kumram Bheem Asifabad District.

In accordance with the Forest (Conservation) Act, 1980 raising of Compensatory Afforestation is necessary in lieu of forest area proposed to be diverted for non-forest purpose. The forest land proposed for Construction of 765 KV D/C Transmission Line - Diversion of 14.2942 Ha of forest land in Asifabad for Construction of Warora Pool – Warangal (New) 765 KV D/C Transmission Line in Telangana State in favour of Warora Kurnool Transmission Ltd.

Justification for CA Scheme proposal:- Dwarf Species (Medicinal) Plantation is proposed under Transmission line under Semi Mechanical Method planting for effective protection utilization of proposed area to be cleared under transmission line i.e., for stringing purpose over a width of 20 mtrs and 2134.80 mtrs length. The details of compt. wise proposed area is as follows.

SI No	Range	Section	Beat	Compt No	Name of the RF	Length in M	Area in Ha
1	Rebbena	Toldran - 11	T 11 "				
2		Takkapally	Takkapally	336	Nambal	617	1.234
2	Rebbena	Goleti	Ameenguda	338	Tandur		
3	Asifabad	Saavathi				1053	2.106
		Saavaun	Saavathi (North)	231	Manikgarh- East	464.80	0.930
	Total				2401		
						2134.80	4.270

TECHNIQUE: Planting under Semi Mechanical Method:-

Dwarf Species (Medicinal) Planting under Semi Mechanical Method is proposed over an area of <u>4.270 Ha</u> @ 2500 plants per Ha i.e., 2Mx2M espacement.

SI.No	Location of Beat	Planting	T
	of Beat	Training	Total
1	Takkapally	1.234	1.00.4
2	Ameenguda	2.106	1.234
3	Saavathi (North)	0.930	2.106
	Total		0.930
Te su	Total	4.270	4.270

The above Forest Land area is proposed to be raised under Semi Mechanical Method with medical species. The details are as follows.

Sl. No.	Division		Area p	roposed	Requirement of Seedlings
1	Asifabad		4.27	На	13,345 Nos
	Requirement of	seedlings			
1	Raising year	SMM Plantation- 2m x 2m	4.27	На	10,675
2	1st year maint.	Replacements for 1 st year	4.27	На	2,670
	Total				13,345 Nos

Hence it is proposed to raise the following seedlings for raising and for replacement of casualties in maintenance of plantation.

1) For Raising of plantations

4.270 Ha.

10,675 Seedlings.

3) For casualties in maintenance 4.270 Ha.

2670 Seedlings

Total 13,345 Seedlings

PROJECT PERIOD:

It is proposed to implement the scheme from 2019-20 to 2030-31 over a period of (12) years including advance operations, Raising and maintenance of plantations up to 10th year. The total financial outlay is Rs.28.426 lakhs.

FUNDING AGENCY:

The funds for the Compensatory Afforestation have to be deposited by the user agency in favour of Telangana Forest Department by following due procedure through e-payment method by generating the Challan from the Ministry's web portal (www.forestsclearance.nic.in). These funds will be utilized by the Forest Divisional Officer, Asifabad for raising of plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

EXECUTIVE AGENCY:

The Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

PROJECT PROPOSALS:

The total financial outlay is Rs.28.426 lakhs. The Abstract annual financial outlay is as follows. Basing on the Forest Schedule of Rates for the year 2018-19 of Zone-II with an escalation of 10% for 2019-20 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2019-20.

(Rs in lakhs)

Sl.No	Year	Total Amount
1	2019-20	0.999
2	2020-21	14.055
3	2021-22	5.089
4	2022-23	1.712
5	2023-24	1.884
6	2024-25	2.072
7	2025-26	0.384
8	2026-27	0.327
9	2027-28	0.465
10	2028-29	0.396
11	2029-30	0.563
12	2030-31	0.479
	TOTAL	28.426

The component wise, year wise Physical and Financial targets of proposed scheme are furnished in the statement enclosed.

Year-wise, detailed Abstract of CA Scheme (Medicinal Plantation) for 4.270 Ha (Passing transmission line of Length is 2134.80 M x 20 M width /10000 - 4.270 Ha) in Diversion of Forest Land for Construction of Warora Pool- Warangal (New) 765 KV D/C Transmission Line in favour of Warora Kurnool Transmission Limited (WKTL) in Asifabad Division of Kumram Bheem Asifabad District.

SI.	A Williams		Unit Cost		2019 - 20			2020 - 2	ri .		2021 - 2	22		2022 - 2	3		2023 - 2	4		2024 - 25	
No		Phy	2018-19 (Rs.)	Fay	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
I	Planting activities (SMM) in 4.270 ha (Espacement 2Mx2M)																				
1	Advance Operations	На	19339	4.27	21273	0.908										9				4-9	
2	Raising of Plantation	На	247300				4.27	299233	12.777								F. 17.2				
3	1st Year Maintenance	На	81400						70.72	4.27	108343	4.626									
4	2nd Year Maintenance	На	24900										4.27	36456	1.557						
4	3rd Year Maintenance	На	24900													4.27	40102	1.712		Line	
6	4th Year Maintenance	На	24900																4.27	44112	1.884
7	5th Year Maintenance	На	4200																		
К	6th Year Maintenance	Ha	3250																		
9	7th Year Maintenance	Ha	4200																	10000000	
10	8th Year Maintenance	Ha	3250								-										
11	9th Year Maintenance	На	4200							100					THE ST						
12	10th Year Maintenance	Ha	3250																		
	Sub total					0.908			12.777	7500000		4.626			1.557		Name of the last	1.712			1.884
П	Administrative Cost - 10%	7				0.091			1.278			0.463			0.156			0.171			0.188
	Total year wise outlay of the project			211/21		0.999			14.055			5.089			1.712			1.884			2.072

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Year-wise, Year-wise, detailed Abstract of CA Scheme (Medicinal Plantation) for 4.270 Ha (Passing transmission line of Length is 2134.80 M x 20 M width /10000= 4.270 Ha) in Diversion of Forest Land for Construction of Warora Pool- Warangal (New) 765 KV D/C Transmission Line in favour of Warora Kurnool Transmission Limited (WKTL) in Asifabad Division of Kumram Bheem Asifabad District.

								morray and					A	sifabad Dist	rict.								- Luini	in Directi
SI.			Unit Cost		2025 -	26		2026 -	27		2027 -	28		2028 - 29			2029 -	30		2030 - 31			Grand	Total
No		Phy	2018-19 (Rs.)	Phy	Unit Cost (ks.)	(Rs.in	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in	Phy		Fin
1	2	3	4	26	27	28	29	30	31	32	33	34	35	36	37	20		Diging the			Lakhs)			
I	Planting activities (SMM) in 4.270 ha (Espacement 2Mx2M)	l											00	30	3/	38	39	40	41	42	43	50	51	52
1	Advance Operations	Ha	19339																	Sept.				
2	Raising of Plantation	На	247300																			4.270		0.908
3	1st Year Maintenance	Ha	81400																			4.270		12.777
4	2nd Year Maintenance	Ha	24900															- 1				4.270		4.626
5	3rd Year Maintenance	Ha	24900		100																	4.270		1.557
6	4th Year Maintenance	На	24900	18-42		10.74											- 1		4			4.270		1.712
7	5th Year Maintenance	Ha	4200	4.27	8185	0.349							10.15					V PS				4.270		1.884
8	6th Year Maintenance	Ha	3250				4.27	6967	0.297													4.270		0.349
9	7th Year Maintenance	Ha	4200							4.27	0002	0.100					10,010					4.270		0.297
0	8th Year Maintenance	На	3250							4.27	9903	0.423										4.270		0.423
1	9th Year Maintenance	На	4200										4.27	8430	0.360							4.270		0.360
2	10th Year Maintenance	Ha	3250													4.27	11983	0.512				4.270		0.512
	Sub total					0.349			0.297										4.27	10200	0.436	4.270		0.436
I	Administrative Cost - 10%					0.035			0.030			0.423			0.360			0.512		N. A. W.	0.436	Inde to		25.841
State 11	Total	Territoria de la compansión de la compan	State of the state of the				The same		0.030			0.042			0.036			0.051			0.044	1000		2.584
	Total year wise outlay of the project					0.384			0.327			0.465	100		0.396			0.563		2 - 15 - 15 - 12 - 12 - 12 - 12 - 12 - 1	0.479	Y 2 7 7 1 9 1		28.426

Unit Cost for Advance Operations for Raising of Medicinal Plantations 2m X 2m. (SMM)

FSR Code	Item of work		Jnit Rate per	Ha	
1		Qty	Rate (Rs.)	Per	Amount (Rs
	2	4	5	6	7
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	339.66	Plantatio n	340
02.08.02	Clearing unsalable unwanted jungle growth	To the last			
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.40	1887.86	Ha	755
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.40	2837.66	Ha	1135
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	5686.75	На	1137
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.40	5033.32	Ha	2013
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.40	9741.86	Ha	3897
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO	0.20	12664.86	На	2533
02.08.04	Collection and Removal of uprooted stumps of all sizes			A 100 A	
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.40	5359.33	Ha	2144
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.40	8504.65	На	3402
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	9916.46	На	1983
Mary Mary	Unit Rate for FSR -2018-19				19339

Unit Cost for Raising of Medicinal Plantations 2m X 2m. (SMM)

	e Item of work	Qty	T Par	Ur	nit Rate pe
1		Qty	Rate	Per	Amo
	Planting Operations 4 2	3	(Rs.)		(Rs
02.09.	Planting Operations during Raising year		4	5	6
	hindering the effect! of root suckers and other uprooted materia	ıl 1	985.70		
02.09.0	Deen Ploughing at 1		965.70	1	986
	Deep Ploughing the effective (excluding unsuitable patches) 1	4064.04		
	plantation area across the slope to a depth of 30 cm with Heavy-duty		4961.06	Ha	496
02.09.0	For untilled areas - Hard Soils Alignment and sold (FMB) plough				
	distribution of the state of th	2500	(2.22		
02.09.0	with espacement 2mX2m (2500 Nos) 5 Cost of 0.45 M State	2500	62.33	100	155
	or of stake preparation and transportation to site	2500	F4.55		
	Digging of Pits in Ploughed Areas in V	2300	51.65	100	129:
	original rate of digging of pits of ordinary soil				
02.09.0	Je bigging UI 43 CM Cline size nite				
01.03.0	Cost and transportation of soil mint.	2500	9.65	1	2412
	spreading around the pit - 0.45 cm x 0.45 cm x 0.45 cm = 0.091 cm -	150.150	341.95	cum	2412
	66% of cost 0.45 cm x 0.45 cm x 0.45 cm = 0.091 cum -			cuiii	5134
02.09.07	Cost and Transportation of medicinal at a second				
HERV.	unloading charges to site (including 20% casualities)	3000	25.00	each	7500
02.09.11	b) Cost of SSP, Chloriding dust (1) (Casualities)		20.00	each	7500
02.09.11	a) Application of 50gm of SSP per pit	2500	3.00	1	
	Flanting Bag Plants	2500	65.62		7500
02.09.13	Planting in 45 cm ³ Pit	克姆 艾克·普	03.02	100	1641
02.09.14	Watering to the alart	2500	396.80	100	
-107.11	Watering to the plants - 4 waterings				
	to the plants - 4 waterings	2500 x 4	240.24	100	
)2.09.15	Replacement of Casualties 2004 during Date	2500 x 4	240.24	100	9920 24024
	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and re-	2500 x 4 waterings 50% of rate of	240.24	100	24024
	Replacement of Casualties 2004 days and an analysis and analysis and an analys	2500 x 4 waterings 50% of rate of and 100%	240.24 of original pitting during mainte	100	24024
	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance)	2500 x 4 waterings 50% of rate of and 100%	240.24 of original pitting during maintentation and inte	100 Ing rate during the series of the serie	24024
	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting	2500 x 4 waterings 50% of rate of and 100% Transpor	240.24 of original pitting during mainted tation and integrates the control of th	100 Ing rate during the series of the serie	24024
2.09.15	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting	2500 x 4 waterings 50% of rate of and 100% Transpor	240.24 of original pittin 6 during mainte tation and inte prescribed 4.83	100 Ing rate during the state of the state o	24024
2.09.15	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting	2500 x 4 <u>waterings</u> 50% of rate c and 100% Transpor 500 500	240.24 of original pittin 6 during mainte tation and inte prescribed 4.83 396.80	100 Ingrate during the series of the series	24024 og raising ye . Planting, rtation as
2.09.16	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point	2500 x 4 waterings 50% of rate of and 100% Transpor	240.24 of original pittin 6 during mainte tation and inte prescribed 4.83	100 Ing rate during the state of the state o	24024 og ralsing ye . Planting, rtation as
2.09.16	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point Application of fertilizer in August (20.1)	2500 x 4 <u>waterings</u> 50% of rate c and 100% Transpor 500 500 2500	240.24 of original pittin diduring mainte tation and inte prescribed 4.83 396.80 3.00	100 ng rate durin mance years rnal transpo l above. 1 100 1	24024 g raising yes. Planting, rtation as 2413 1984
2.09.16	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm denth with growth and a significant or significant	2500 x 4 <u>waterings</u> 50% of rate c and 100% Transpor 500 500	240.24 of original pittin 6 during mainte tation and inte prescribed 4.83 396.80	100 Ingrate during the state of	24024 g raising year. Planting, rtation as 2413 1984
2.09.16	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing.	2500 x 4 <u>waterings</u> 50% of rate c and 100% Transpor 500 500 2500	240.24 of original pittin diduring mainte tation and inte prescribed 4.83 396.80 3.00	100 ng rate durin mance years rnal transpo l above. 1 100 1	24024 g raising ye . Planting, rtation as 2413 1984 7500
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2.09.15 2.09.16 2.09.17	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during late).	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 500 2500	240.24 of original pittin 6 during mainte tation and inte prescribed 4.83 396.80 3.00 35.62	100 ng rate durin mance years rnal transpo l above. 1 100 1	24024 g raising ye . Planting, rtation as 2413 1984 7500
2.09.15 2.09.16 2.09.17	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during late).	2500 x 4 <u>waterings</u> 50% of rate c and 100% Transpor 500 500 2500	240.24 of original pittin diduring mainte tation and inte prescribed 4.83 396.80 3.00	100 ng rate durin mance years rnal transpo l above. 1 100 1	24024 g raising ye . Planting, rtation as 2413 1984 7500 891
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2.09.15 2.09.16 2.09.17 2.09.18	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant (during New Deep Soil working to a radius of 0.5 m and to plant (during New Deep Soil working to a radius of 0.5 m are plant (during New Dee	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 500 2500 2500	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62	100 ng rate durin mance years rnal transpo l above. 1 100 1 100	24024 g raising ye . Planting, rtation as 2413 1984 7500 891
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2.09.16 2.09.17 2.09.18 2.09.19	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Nov.	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 500 2500 2500	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62	100 ng rate durin mance years rnal transpo l above. 1 100 1 100	24024 g raising yes. Planting, rtation as 2413 1984 7500 891 2834
2.09.15 2.09.16 2.09.17 2.09.18 3.09.19 3.09.20 3.09.22	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62	100 ng rate durin mance years rnal transpo l above. 1 100 1 100 100	24024 g raising ye . Planting, rtation as 2413 1984 7500 891
2.09.15 2.09.16 2.09.17 2.09.18 2.09.19 0.09.20 0.09.22	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber Uprootal of Mahaveera Weed Cost of Protection: One Watshard 19	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500 1 1	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62 113.34 595.23 3091.77 3311.47	100 ng rate durin mance years rnal transpo l above. 1 100 1 100 100	24024 g raising ye . Planting, rtation as 2413 1984 7500 891 2834 14881
2.09.15 2.09.16 2.09.17 2.09.18 2.09.19 .09.20	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber Uprootal of Mahaveera Weed Cost of Protection: One Watshard 19	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500	240.24 of original pittin de during mainte tation and interprescribed 4.83 396.80 3.00 35.62 113.34 595.23	100 Ingrate during the property of the proper	24024 g raising ye . Planting, rtation as 2413 1984 7500 891 2834 14881 3092
2.09.16 2.09.16 2.09.17 2.09.18 3.09.19 3.09.20 3.09.21 4.09.24	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber Uprootal of Mahaveera Weed Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; per Ha	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500 1 1	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62 113.34 595.23 3091.77 3311.47	grate during rance years roal transpoll above. 1 100 1 100 100 100 100 100 100 100 10	24024 g raising yes. Planting, rtation as 2413 1984 7500 891 2834 14881
2.09.16 2.09.16 2.09.17 2.09.18 3.09.19 3.09.20 3.09.21 4.09.24	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber Uprootal of Mahaveera Weed Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; ther Ha Misc Exp	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500 1 1	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62 113.34 595.23 3091.77 3311.47	100 Ingrate during the property of the proper	24024 g raising yes. Planting, rtation as 2413 1984 7500 891 2834 14881 3092
2.09.16 2.09.16 2.09.17 2.09.18 3.09.19 3.09.20 3.09.21 4.09.24	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance) Pitting Planting Cost of DAP @25gm / planting point 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 & closing. a) Circular weeding to a radius of 0.50 m around the plant (during luly - Aug) b) Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec.) (b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber Uprootal of Mahaveera Weed Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; per Ha	2500 x 4 <u>waterings</u> 50% of rate of and 100% Transpor 500 2500 2500 2500 2500 1 1	240.24 of original pitting during mainted tation and interprescribed 4.83 396.80 3.00 35.62 113.34 595.23 3091.77 3311.47	100 Ingrate during the property of the proper	24024 g raising yes. Planting, rtation as 2413 1984 7500 891 2834 14881 3092

Unit Cost for 1st Year Maintenance of Medicinal Plantation (2 m X 2 m) SMM per Ha

FSR Code	IA	nit Rate per	На		
1	The second of th	Qty	Rate (Rs.)	Per	Amount (Rs.)
	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case oif Eucalyptus 10% during raising and no casuality replacement for further maintenance) - 25 % proposed	raising ye years. Plan	ate of origina ear and 100% nting, Transp	during n	naintenance and interna
02.09.06	© Digging of 45 cm cube size pits	625	9.650	1	6031
	Cost of plants including transportation	625	25.000	1	15625
02.09.13	Planting in 45 cm ³ Pit	625	396.80	100	2480
02.09.14	Watering to the plants- 4 times	2500 4 waterings	240.24	100	24024
02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	2500	113.34	100	2834
02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	2500	595.23	100	14881
02.10.04	Uprootal of Mahaveera (70% of the area)	1	3311.47		2011
02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	1	2253.79	На На	3311 2254
	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	2500	112.68	100	2817
	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher $8340 \times 12 = 100080 / 15 = 6672/$	1	6672.00	На	6672
	Misc Exp		H AC		471
	Unit Rate for 2018 - 19			VE 19 10 10	81400

Unit Cost for 2nd Year Maintenance of Medicinal Plantation ($2m \times 2m$)SMM per Ha

Unit Rate per Ha **FSR Code** Item of work Rate (Rs.) Per Qty Amount (Rs.) 4 5 6 02.11.01 Circular weeding cum Deep soil working to a radius of 2500 595.23 100 14881 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)
Pruning of flower branch initials of Timber and NTFP 02.11.02 2500 112.68 100 2817 species by scicature upto 1/3 rd height (to be done during July - Aufl
Cost of Protection: One Watcher is allowed for 02.11.05 1 6672.00 Ha 6672 10-30 ha. plantation; One more Watcher 8340 x 12 = 100080 / 15 = 6672/-Misc exp 530 **Unit Rate for 2018 - 19** 24900

Unit Cost for 3rd Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

	Unit Rate per Ha											
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)							
1	2	4	5	6	7							
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pickaxe only) without damaging the plant. (July-Aug)		595.23	100	14881							
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	2500	112.68	100	2817							
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	На	6672							
	Misc exp				530.00							
SE CHEST LE	Unit Rate for 2018 · 19				24900							

Unit Cost for 4th Year Maintenance of Medicinal Plantation (2m \times 2m)SMM per Ha

	Unit Rate per Ha											
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)							
1	2	4	5	- 6	7							
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pickaxe only) without damaging the plant. (July-Aug)	2500	595.23	100	14881							
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)		112.68	100	2817							
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 8340 x 12 = 100080 / 15 = 6672/-	1	6672.00	На	6672							
	Misc exp				530							
	Unit Rate for 2018 -19				24900							

Unit Cost for 5th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

Unit Rate per Ha

	Omt Rate per na											
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)							
1	2	4	5	6	7							
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)-the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted (Rs.595.23 x 25%)	2500	148.81	100	3720							
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331							
	Misc Exp				149							
	Unit Rate for 2018 -19		No. of the latest the		4200							

Unit Cost for 6th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

FSR Code	Unit Rate per Ha						
	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)		
	2	4	5	6	7		
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	2500	112.68	100	2817		
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331		
	Misc Exp		ALC: NO		102		
	Unit Rate for 2018 -19				3250		

Unit Cost for 7th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

Unit Rate per Ha Rate (Rs.) Per Amount Item of work Qty FSR Code (Rs.) 6 2 4 3720 2500 148.81 100 Circular weeding cum Deep soil working to a radius 02.11.01 of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted 100 Rmt 331 100 331.02 Maintenance of fire lines (5.00 mtr width) 03.05.01 including cutting back of rank growth and burning - propotionate cost - 0.60 times 149 Misc Exp 4200 Unit Rate for 2018 -19

Forest Divisional Officer,

Unit Cost for 8th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

Unit Rate per Ha FSR Code Item of work Qty Rate (Rs.) Per Amount (Rs.) 2 5 6 Pruning of flower branch initials of Timber and 02.11.02 2500 112.68 100 2817 NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)

Maintenance of fire lines (5.00 mtr width) 03.05.01 100 331.02 100 Rmt 331 including cutting back of rank growth and burning - propotionate cost - 0.60 times Misc Exp 102 Unit Rate for 2018-19 3250

Forest Divisional Officer,

Unit Cost for 9th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

Unit Rate per Ha

	Unit Rate per na						
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amoun (Rs.)		
1	2	4	5	6	7		
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pickaxe only) without damaging the plant. (July-Aug)-the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted		148.81	100	3720		
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and	100	331.02	100 Rmt	331		
	Misc Exp				149		
	Unit Rate for 2018-19	District			4200		

Unit Cost for 10th Year Maintenance of Medicinal Plantation (2m x 2m)SMM per Ha

	Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	
1	2	4	5	6	7	
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	2500	112.68	100	2817	
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	331.02	100 Rmt	331	
	Misc Exp				102	
	Unit Rate for 2018 -18		VOLUME VIE		3250	