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CA SCHEME

PROJECT: Diversion of forest land to an extent of 0.0952 Ha in Kunchavelli RF for laying of Optical Fiber Cable along the road and within the existing Right of Way in favour of M/s Vindhya Telelinks Limited, Secuderabad of Asifabad Forest Division.

CA LOCATION: Compt No.407 of Girelly Beat of Girelly Section of Rebbena Range of Asifabad Division of RF Block Kunachavelly.

CA AREA: Degraded Forest Land to an extent of 0.25 Ha for Raising of 100 plants

USER AGENCY: M/s. Vindhya Telelinks limited

Division: Asifabad Forest Division

District: Kumuram Bheem-Asifabad

Circle: Adilabad

CA Scheme For Degraded Forest Land to an extent of 0.250 Ha identified in Compt No Compt No.407 of Girelly Beat of Girelly Section of Rebbena Range of Asifabad Division of RF Block Kunachavelly in lieu of Diversion of 0.0952 Ha of forest land in Asifabad Division for Layinig of Optical Fiber Cable along the road and within the existing Right of Way in favour of M/s. Vindhya Telelinks limited.

1.0 INTRODUCTION :

The M/s Vindhya Telelinks Ltd Secunderabad has submitted the proposals for Diversion of 0.0975 Ha of forest land in Asifabad Division for laying of Optical Fiber Cable along the road and within the existing Right of Way in favour of M/s. Vindhya Telelinks limited. The state of Telangana in Asifabad Forest Division in lieu of the Reserve Forest area to be diverted in Asifabad Forest Division.

1.1 The Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide Rc.No. 3582/2020/FCA-1, Dated: 11.03.2020 has requested to submit the CA scheme with 7-10 years maintenance along with coordinates in Topo Map as per the following guidelines.

1. As per the 2.5(i) (b) of Hand Book on Forest (Conservation) Act, 1980 & Forest (Conservation) Rules 2003 communicated by the GoI, MoEF&CC, New Delhi in F.No.5-2/2017-FC, Dated: 28.03.2019, Compensatory Afforestation raised and maintained at the cost of the User agency on degraded forest land, **in the cases of laying of Telephone/optical fibre lines.**
2. Further as per the 2.6(i) (b) of Hand Book on Forest (Conservation) Act, 1980 & Forest (Conservation) Rules 2003 communicated by the GoI, MoEF&CC, New Delhi in F.No.5-2/2017-FC, Dated: 28.03.2019, the cost of plantation (including ten years maintenance) of ten times the number of trees likely to be felled or specified number of trees as may be specified in the order for diversion of forest land (**subject to a minimum no. of 100 plants**), levied from the User agency towards Compensatory Afforestation, **in the case of diversion of forest land up to one hectare.**

Accordingly, the Forest Range Officer, Rebbena has identified the Degraded Forest Land to an extent of 0.250 Ha for Raising of 100 plants in Compt No. 407 of Beat: Girelly of Section Girelly of Rebbena Range of Asifabad Division falling in Kunchavelly R.F. for the purpose of CA.

- 1). **Compensatory Afforestation** : The Degraded Forest Land to an extent of **0.250 Ha** is identified for raising plantations **under Labour Intensive Method** and the details of Compensatory Afforestation scheme proposals are as follows:

Degraded Forest Land Area:

Sl. No.	Compt. No.	Beat	Section	Range	Total Area Ha.	Remarks
1	407	Girelly	Girelly	Rebbena	0.250 Ha	Raising of 100 plants

The proposals have been prepared with a cost of **Rs. 1.710 Lakhs**. The year wise scheme proposals are annexed.

This scheme will be implemented and monitored by the Forest Department at various levels.

The Compensatory Afforestation is prepared over an area of **0.250 Ha** of Degraded Forest Land basing on the Forest Schedule of Rates for the year 2020-21 for the Forest Circles of Zone-II with an escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2020-21.

2.0 AIMS AND OBJECTIVES

The objectives of the scheme are as follows:

- 2.1 For regeneration of Forest which is lost due to the above said project.
- 2.2 To compensatory loss of forest and for ecological balance.
- 2.3 To fulfil broader objective of sustainable environmental conservation for the general good of the people.

3.0 ELEMENTS OF THE PROJECT

- 3.1 Details of the Degraded Forest Land is identified for raising compensatory afforestation is as follows:

3.2 LOCATION

The proposed Compensatory Afforestation area for degraded forest land to an extent of **0.250 Ha** is identified in Compt No. 407 of Beat: Girelly of Section Girelly of Rebbena Range of Asifabad Division of RF Block Kunchavelly.

3.4 GEOLOGY

The geology of the area proposed for Compensatory Afforestation is Gondwana formation supporting mixed forests.

3.5 SOIL

The soil of the area proposed for Compensatory Afforestation is morram soil.

3.6 CLIMATE

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises up to 47⁰ Centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However Cyclonic rains are common during October - December.

3.7 METHOD OF RAISING PLANTATION:

a) Tehcnique: Labour Intensive Method and Maintenance for (10) years is proposed.

b) ESPACEMENT: 3 m x 3 m i.e., 1111 plants per Ha.

c) CHOICE OF SPECIES: Only local forestry species are proposed to be planted. *Maduca indica*, *Terminalia tomentosa*, *Terminalia chebula*, *Holoptelia integrefolia*, *Sommida febrifuga* & *Dalbergia latifolia*, *Buddadermi*, *Bamboo*, *All Ficus species*, *Neem*, *Usiri*, *Jamoon*, *Albezia procera*, *Albezia odortissima*, etc.

3.8 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION.

The details of work schedule proposed for compensatory afforestation year wise is as follows:

Sl. No.	Year	Proposed Works
1	2021-22	Advance operations & SMC works
2	2022-23	Raising operations under L I Method
3	2023-24	1 st Year Maintenance
4	2024-25	2 nd Year Maintenance
5	2025-26	3 rd Year Maintenance.
6	2026-27	4 th Year Maintenance.
7	2027-28	5 th Year Maintenance.
8	2028-29	6 th Year Maintenance.
9	2029-30	7 th Year Maintenance.
10	2030-31	8 th Year Maintenance.
11	2031-32	9 th Year Maintenance.
12	2032-33	10 th Year Maintenance.

3.9 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs. 1.710 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl No	Year	Financial (Rs.in Lakhs)
1	2021-22	0.547
2	2022-23	0.555
3	2023-24	0.264
4	2024-25	0.067
5	2025-26	0.043
6	2026-27	0.047
7	2027-28	0.045
8	2028-29	0.011
9	2029-30	0.047
10	2030-31	0.013
11	2031-32	0.056
12	2032-33	0.016
	Total	1.710

4.0 COST STRUCTURE OF PLANTATIONS

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of plantation for Improvement of Degraded Natural Forests is appended.

4.1 PROVISION OF FUNDS

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 form the Ministry's web portal (parivesh.nic.in). These funds will be utilized by the Forest Divisional Officer, Asifabad for Nurseries, Plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

4.2 OFFICE EXPENSES AND CONTINGENCIES RECURRING

The amount proposed towards Administrative cost are appended.

4.3 CAPITAL EXPENDITURE NON-RECURRING

No amount is proposed towards non-recurring expenditure.

4.4 SCHEME PERIOD

This scheme will be implemented over a period of (12) years commencing from 2021-22. The details of cash flow required for the entire project period is furnished in annexure.

4.5 DETAILS OF PROPOSED MONITORING MECHANISM

The Forest Range Officer, Rebbena, Forest Divisional Officer, Asifabad and District Forest Officer, Kumram Bheem-Asifabad & the Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

Forest Divisional Officer,
Forest Asifabad Officer
Asifabad


District Forest Officer
Kumram Bheem Asifabad.

Year-wise detailed Year-wise detailed Abstract of CA DFL scheme for Raising of 100 Plants (0.25 Ha) in lieu of Diversion of forest land to an extent of 0.0952 Ha in Kunchavelli RF for laying of Optical Fiber Cable along the road and within the existing Right of Way in favour of M/s Vindhya Teliniks Limited, Secunderabad of Asifabad Forest Division under Komarambheem District.

Sl. No	Item of Work	Phy	2020-21			2021-22			2022-23			2023 - 24			2024 - 25			2025 - 26			2026 - 27		
			Unit Cost (Rs.)	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)	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	Nursery activities (LIM)																						
	Procurement of plantable seedlings of forestry species above height 3.00 meter	Plant					120	300	0.360	25	330	0.083											
	Sub Total:			0		0.000	120		0.360	25		0.083											
II	Planting activities (LIM)																						
6	Advance Operations	Ha	73506	0.25	80857	0.20214																	
7	Raising of Plantation	Ha	64556				0.25	78112.76	0.19528														
8	1st Year Maintenance	Ha	54465							0.25	72493.27	0.18123											
9	2nd Year Maintenance	Ha	18363										0.25	26885.66	0.06721								
10	3rd Year Maintenance	Ha	10669													0.25	17182.97	0.04296	0.25	18901.26	0.04725		
11	4th Year Maintenance	Ha	10669																				
12	5th Year Maintenance	Ha	9280																				
13	6th Year Maintenance	Ha	1989																				
14	7th Year Maintenance	Ha	7899																				
15	8th Year Maintenance	Ha	1989																				
16	9th Year Maintenance	Ha	7899																				
17	10th Year Maintenance	Ha	1989																				
	Sub Total:					0.20214			0.19528			0.18123			0.06721			0.04296			0.04725		
III	SMC Works																						
18	Construction of Mini Percolation Tanks	No	20000	1.00	20000	0.2000																	
19	Staggered trenches	cum	328.34	40	361	0.14447																	
	Sub Total:					0.34447			0.00000			0.00000			0.00000			0.00000			0.00000		
	Total:					0.54661			0.55528			0.26373			0.06721			0.04296			0.04725		

Year-wise detailed Year-wise detailed Abstract of CA DFL scheme for Raising of 100 Plants (0.25 Ha) in lieu of Diversion of forest land to an extent of 0.0952 Ha in Kunchavelli RF for laying of Optical Fiber Cable along the road and within the existing Right of Way in favour of M/s Vindhya Telelinks Limited, Secunderabad of Asifabad Forest Division under Komarambheem District.

Sl. No	Item of Work	2027 - 28			2028 - 29			2029 - 30			2030 - 31			2031- 32			2032-33			Grand Total		
		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)	Phy	Unit Cost (Rs.)	Fin (Rs. in Lakhs)	Phy	Unit Cost (Rs.)	Fin
1	2	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
I	Nursery activities (LIM)																					
	Procurement of plantable seedlings of forestry species above height 3.00 meter																					
	Sub Total:																			145		0.4425
II	Planting activities (LIM)																					
6	Advance Operations																			0.25		0.202
7	Raising of Plantation																			0.25		0.195
8	1st Year Maintenance																			0.25		0.181
9	2nd Year Maintenance																			0.25		0.067
10	3rd Year Maintenance																			0.25		0.043
11	4th Year Maintenance																			0.25		0.047
12	5th Year Maintenance	0.25	18084.62	0.04521																0.25		0.045
13	6th Year Maintenance				0.25	4264.18	0.01066													0.25		0.011
14	7th Year Maintenance							0.25	18626.07	0.04657										0.25		0.047
15	8th Year Maintenance										0.25	5159.65	0.01290							0.25		0.013
16	9th Year Maintenance													0.25	22537.54	0.05634				0.25		0.056
17	10th Year Maintenance																0.25	6243.18	0.01561	0.25		0.016
	Sub Total:			0.04521			0.01066			0.04657			0.01290			0.05634			0.01561			0.9234
III	SMC Works																					
18	Construction of Mini Percolation Tanks																			1.000		0.2000
19	Staggered trenches																			40.00		0.1445
	Sub Total:			0.00000			0.00000			0.00000			0.00000			0.00000			0.00000			0.3445
	Total:			0.04521			0.01066			0.04657			0.01290			0.05634			0.01561			1.7103


District Forest Officer
Kumaram Bheem Asifabad.


District Forest Officer
Asifabad