

Year-wise detailed Abstract of CA NFL scheme for Raising of 2.685 ha in lieu of Diversion of forest land to an extent of 0.9704 Ha in Pandavapur to Damguda Kaddam (M) and 1.4637 of
Raidhari to Godumalla of Khanapur Forest Division under Nirmal
District. Since the area is already having 0.4 Density out of 2.685 Ha planting is being proposed in only 1.50 Ha of blank Patch

Sl. No	Item of Work	Phy	Unit Cost 2021-22 (Rs.)	2022-23			2023 - 24			2024 - 25			2025 - 26			2026 - 27			2027 - 28		
				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	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
I	Nursery activities (LIM)																				
1	Raising of Primary beds	Plant	0.3446	1667	0.417	0.00695	417	0.4586	0.00191												
2	Raising of Bag Plants of 6"x8"	Plant	5.7400	1667	6.945	0.11578	417	7.6399	0.03184												
3	Maintenance of Bag Plants of 6"x8"	Plant	2.3277		2.817		1667	3.0982	0.05165	417	3.408	0.01420									
4	Conversion of bag plants from 6"x8" to 9"x11"	Plant	15.0683		18.233		1667	20.0559	0.33433	417	22.061	0.09194									
5	Maintenance of Bag Plants of 9"x11"	Plant	8.7192		10.550			11.6053		1667	12.766	0.21281	417	14.04243	0.23409						
	Sub Total:					0.123		0.420				0.319			0.234			0.000			0.000
II	Planting activities (LIM)																				
6	Advance Operations	Ha	79765	1.500	96515.7	1.44773															
7	Raising of Plantation	Ha	71173				1.50	0.00	0.00000												
8	1st Year Maintenance	Ha	61324							1.50	89785.05	1.34678									
9	2nd Year Maintenance	Ha	21899										1.50	35269.20	0.52904						
10	3rd Year Maintenance	Ha	13756													1.50	24370.30	0.36555			
11	4th Year Maintenance	Ha	13756																1.50	26807.33	0.40211
12	5th Year Maintenance	Ha	12298																		
13	6th Year Maintenance	Ha	4643																		
14	7th Year Maintenance	Ha	10848																		
15	8th Year Maintenance	Ha	4643																		
16	9th Year Maintenance	Ha	10848																		
17	10th Year Maintenance	Ha	4643																		
	Sub Total:					1.44773			0.00000			1.34678			0.52904			0.36555			0.40211
III	SMC Works																				
1	construction of Boundary Pillars (Big size)	No	11000	15	13310.000	1.997	0.000	14641	0.0000												
2	construction of Boundary Pillars (Sml Size)	No	1350	50	1633.500	0.817	0.00	1797	0.0000												
3	Major Percolation Tank	No	5	1	6.050	6.050	0.00	0.00	0.0000												
4	Mini Percolation Tank	No	1.5	2	1.815	3.630	1.00	1.997	1.9965												
5	RFD's	No	0.12	30	0.145	4.356	0.00		0.0000												
6	SCT's	No	0.005	1000	0.006	6.050	0.00		0.0000												
	Sub Total:					22.899		1.997				0.000			0.000			0.000			0.000
	Total:					24.470		2.416				1.666			0.763			0.366			0.402
III	Administrative cost 10%					2.447			0.24162			0.16657			0.07631			0.03656			0.04021
	Total					26.91669			2.65785			1.83230			0.83944			0.40211			0.44232

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Year-wise deta

Sl. No	Item of Work	2028 - 29			2029 - 30			2030 - 31			2031 - 32			2032-33			2033-34			2034-35			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 (Rs.in Lakhs)	Phy		Fin
1	2	23	24	25	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)																								
1	Raising of Primary beds																						2084		0.009
2	Raising of Bag Plants of 6"x8"																						2084		0.148
3	Maintenance of Bag Plants of 6"x8"																						2084		0.066
4	Conversion of bag plants from 6"x8" to 9"x11"																						2084		0.426
5	Maintenance of Bag Plants of 9"x11"																						2084		0.447
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			1.09550
II	Planting activities (LIM)																								
6	Advance Operations																						1.50		1.448
7	Raising of Plantation																						1.50		0.000
8	1st Year Maintenance																						1.50		1.347
9	2nd Year Maintenance																						1.50		0.529
10	3rd Year Maintenance																						1.50		0.366
11	4th Year Maintenance																						1.50		0.402
12	5th Year Maintenance	1.50	26362.71	0.39544																			1.50		0.395
13	6th Year Maintenance				1.50	10948.89	0.16423																1.50		0.164
14	7th Year Maintenance							1.50	28137.96	0.42207													1.50		0.422
15	8th Year Maintenance										1.50	13248.16	0.19872										1.50		0.199
16	9th Year Maintenance													1.50	34046.93	0.51070							1.50		0.511
17	10th Year Maintenance																1.50	16030.28	0.24045	1.50	17633.30	0.26450	1.50		0.505
	Sub Total:			0.39544			0.16423			0.42207			0.19872			0.51070			0.24045			0.26450			6.28734
III	SMC Works																								
1	construction of Boundary Pillars (Big size)																						15.000		1.997
2	construction of Boundary Pillars (SmaI Size)																						50		0.817
3	Major Percolation Tank																						1		6.050
4	Mini Percolation Tank																						3		5.627
5	RFD's																						30		4.356
6	SCT's																						1000		6.050
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			24.89575
	Total:			0.395			0.164			0.422			0.199			0.511			0.240			0.264			32.279
III	Administrative cost 10%			0.03954			0.01642			0.04221			0.01987			0.05107			0.02405			0.02645			3.22786
	Total			0.43498			0.18066			0.46428			0.21859			0.56177			0.26450			0.29095			35.50644

Forest Divisional Officer
Khanapur

CA SCHEME

PROJECT: Diversion of 2.685 Ha of forest land for the proposed Laying of B.T Road from Pandavapur to Damguda Road 0.9704 ha from 0/0 to 1/618 Kaddam Range & Raidhari to Godhumalla 1.4637 ha from 0/500 to 2/2452 of Tandra Range of Khanapur Division.

CA LOCATION: Compt No. 899 of Surjapur Beat of Khanapur Section of Khanapur Range of Khanapur Division of RF Block Maskapur.

CA AREA: Degraded Forest Land to an extent of 2.685 Ha

USER AGENCY: Executive Engineer, Tribal welfare, Division Utnoor.

Division: Khanapur Forest Division

District: Nirmal

CA Scheme For Degraded Forest Land to an extent of 2.685 Ha identified in Compt No. 899 of Surjapur Beat of Khanapur Section of Khanapur Range of Khanapur Division of RF Block Maskapur in lieu of Diversion of 2.685 Ha of forest land in Khanapur Division for Laying of B.T Road from Pandavapur to Damguda Road 0.9704 ha from 0/0 to 1/618 Kaddam Range & Raidhari to Godhumalla 1.4637 ha from 0/500 to 2/2452 of Tandra Range of Khanapur Division Executive Engineer, Tribal welfare, Division Utnoor.

1.0 INTRODUCTION :

The Executive Engineer, Tribal welfare, Division Utnoor has submitted the proposals for Diversion of 1.1833 Ha of forest land in Khanapur Division for Laying of B.T Road from Pandavapur to Damguda Road 0.9704 ha from 0/0 to 1/618 Kaddam Range & Raidhari to Godhumalla 1.4637 ha from 0/500 to 2/2452 of Tandra Range of Khanapur Division in lieu of the Reserve Forest area to be diverted in Khanapur Forest Division.

Accordingly, the Forest Range Officer, Khanapur has identified the degraded forest land to an extent of 2.685 Ha in Compt No. 899 of Beat: Surjapur of Section Khanapur of Khanapur Range of Khanapur Division falling in Maskapur R.F. for the purpose of CA.

- 1). Compensatory Afforestation :** The Degraded Forest Land to an extent of 2.685 Ha is identified for raising plantations **under Labour Intensive Method** in 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	899	Surjapur	Khanapur	Khanapur	2.685	

The proposals have been prepared with a cost of **Rs. 27.15652 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 2.685 Ha of Degraded Forest Land basing on the Forest Schedule of Rates for the year 2021-22 of Zone-II with an escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2021-22.

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 2.685 Ha is identified in Compt No. 2.685 of Beat: Surjapur of Section Khanapur of Khanpur Range of Khanapur Division of RF Block Maskapur.

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 (13) 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.*
- d) **PROTECTION OF THE PLANTATION:** Since there is lot of biotic pressure in the area proposed for (01) protection watcher for successfully raising the plantation. the plantation cannot be protected and the survival will be difficult.

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	2022-23	Raising of Primary Beds
		Advance Operation
		Mini Percolation Tank
		Solar bore well with PT
		Construction of RFDs
		Digging of SCTs
2	2023-24	Raising of Bag plant
		Maintenance of Bag plant
		Conversion of bag plants
		Raising of Plantation
		Mini Percolation Tank
		Solar bore well with PT
3	2024-25	Maintenance of Bag plant
		Conversion of bag plants
		1 st year Maintenance of Plantation
4	2025-26	Maintenance of Bag plant
		2 nd year Maintenance of Plantation
5	2026-27	3 rd year Maintenance of Plantation
6	2027-28	4 th year Maintenance of Plantation
7	2028-29	5 th year Maintenance of Plantation
8	2029-30	6 th year Maintenance of Plantation
9	2030-31	7 th year Maintenance of Plantation
10	2031-32	8 th year Maintenance of Plantation
11	2032-33	9 th year Maintenance of Plantation
12	2033-34	10 th year Maintenance of Plantation
13	2034-35	11 th year Maintenance of Plantation

3.9 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs. 27.15652 Lakhs** is prepared. The year wise expenditure will be as hereunder:

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, Khanapur 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 (13) 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, Khanapur, Forest Divisional Officer, Khanapur and District Forest Officer, Nirmal & the Chief Conservator of Forests/ Field Director Project Tiger, Reserve Nirmal Circle, Nirmal shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


District Forest Officer
NIRMAL


Forest Divisional Officer
Khanapur