

SCHEME FOR RAISING OF COMPENSATORY AFFORESTATON OVER 5.281 HA. OF DEGRADED REVENUE FOREST LAND

IN LIEU OF

DIVERSION OF FOREST LAND OVER 2.562 HA.
IN TARASINGI RANGE OF GHUMSUR NORTH DIVISION
UNDER F.C. ACT'1980 FOR
"IMPROVEMENT OF EXISTING ROAD BY BLACK
TOPPING PWD ROAD TO SIULI VIA KADALIGUDA
UNDER PMGSY SCHEME PACKAGE NO.OR-11-267/B-II
(2016-17) IN GANJAM DISTRICT."



COMPENSATORY AFFORESTATION SCHEME OVER 13.050 AC. or 5.281 HA. OF DEGRADED FOREST LAND IDENTIFIED IN GAYAGANDA MOUZA UNDER JAGANNATHPRASAD TAHASIL IN GANJAM DISTRICT IN LIEU OF DIVERSION OF 2.562 HA. FOR IMPROVEMENT OF EXISTING ROAD BY BLACKTOPPING PWD ROAD TOSIULI VIA KADALIGUDA UNDER PMGSY SCHEME PACKAGE NO. OR-11-267/B-II (2016-17)

INTRODUCTION

"Improvement of Existing Road by Black topping PWD Road to Siuli Via Kadaliguda under PMGSY Scheme Package No.OR-11-267/B-II (2016-17) in the District of Ganjam" in the State of Odisha aims to improve the socio-economic development and transportation of goods and services of localities. Since, the project is initiated with a larger interest of the general public of the locality and their day-to-day marketing, education, & Health services.

LAND INVOLVED

This project extent over an area of 2.562 Ha. forest land in Ambazora Reserve Forest Compartment No.14 under Tarasingi Range of Ghumsur North Division has been proposed for Diversion under Forest (Conservation) Act,1980 for Construction of Road inside Forest area from PWD Road to Siuli Via Kadaliguda Road under PMGSY Package No. OR- 11-267/B -II (2016-17).

ALLOCATION OF COMPENSATORY AFFORESTATION LAND

LAND SCHEDUE FOR COMPENSATORY AFFORESATION.

Name of Tahasil	Mouza	Khata No.	Area (in Ac.)	Kissam	RT	
Jagannathprasad	702	1446/A	6.875	Gramya Jungle	Rakhita	
1000 153	699	1427	6.175	Jungle	Abadya Jogya	
					Anabadi	
To	Total:- 13.050 Ac. or 5.281 Ha,					

DETAILS OF SELECTION OF SITE

Description of Area: The identified Degraded Revenue Forest Area coming under Jagannathprasad Tahsil and Kissam of the land is Gramya Jungle (Rakhita) and Jungle (Abadya Jogya Anabadi) under Mouza Gayaganda.

Topography & Soil: The site is shown in Topo Sheet No.F45S/12 confined within

East: E84 44 23.60 N20 10 02.93, West: E84 44 38.04 N20 10 03.33, North: 84 44 29.05 N20 10 08.65, South: E84 44 30.66 N20 09 59.06 for datum WGS84. Soil type occurring in the area is Shallow, somewhat excessively drained, Coarse Loamy, Morrum, Calcareous with Black Cotton Soil within the site and well-drained soil at few places.

Slope: The site selected for Compensatory Afforestation have gentle slope (0-15).

Aspect: North-East.

Whether the area is bearing any root stock of vegetation:

The site selected for Compensatory Afforestation has very little roots stock and vegetation.

Temperature: The area experiences cold weather between November– January when the temperature drops to less than 13° C. the temperature rises steadily from January onwards reaching 32°C to 45° C in summer (May). So, it is under typically tropical condition with limited rainy days.

Climate & Rainfall:

The area has tropical climate with monsoon rains from June to September and occasional rains during the autumn. This area also experiences occasion a gutsy wind to heavy thunder storms during summer season (April to June). Monsoon breaks out in early to middle of June and continues up to September. The average annual rain fall is about 1600 mm under the influence of south west monsoon. On average, there are about 100 rainy days. The humidity is maximum in the month of July to August (90%) and minimum in February (36%).

Plantation Model

According to edaphic, climatic and existing vegetation a proposal for raising block plantation @ 1000 Plants per Ha. has been proposed.

Special Objects of Compensatory Afforestation Scheme areas follows:

It is requirement under the provisions of Forest Conservation Act, 1980.

- To make good the loss of forest land to be diverted for any non-forest purpose.
- To generate employment for the villagers living around the area.
- To enhance the land productivity through Soil & Moisture Conservation.
- To increase the bio-diversity for improvement of the local ecology.
- To cloth the area and improve the condition of existing forest by species available in the

nearby forests.

 To stabilize the ratio between water run-off during rainy season and that of dry season and enhance ground water level by augmenting water seepage through the soil.

Item of works to be taken up:

To achieve the above objectives, the following items of works are mainly prescribed to be taken up.

- Survey &Demarcation of Boundary.
- Alignment and stacking
- · Fencing.
- Site Clearance, Pitting &Planting
- Watering
- Soil & Moisture Conservation Measures
- Protection of Plantation
- People's Participation
- Monitoring & Evaluation Mechanism

Survey & Demarcation of Boundary: The area has been demarcated through pillars posting along the periphery at visible distance.

Fencing: The area is full of small rodents and ungulates and the saplings of the plantation would be susceptible to damage by root digging and hence it is needed to provide wire mesh fence.

Site Clearance & Planting: Plantation over 5.281 Ha. shall be taken up with planting model of AR 1000 plants/Ha. All the weeds are to be cleaned before plantation. All post planting measures like casualty replacement, soil working, manuring, watering, fire protection etc. will be undertaken.

Species: Indigenous species are preferred plantation. The following indigenous species suitable for this site are selected for planting.

Name of species	Common name	Name of species	Common name
Acacia catechu	Khaira	Dendrocalamus strictus	Salia Bamboo
Annona squamosa	Atta	Syzygium cumini	Jamu
Mangifera Indica	Mango	Terminalia arjuna	Arjun
Artocarpus heterophyllous	Panasa	Pterocarpus marsupium	Bija Sal
Azadirachta indica	Neem	Dalbergia latifolia	Pahadi Sisoo

Phyllanthus emblica	Amla	Amla Pterocarpus santalinus	
Terminalia bellirica	Bahada	Pongamia pinata	Karanja
Psidium guajava	Guava	Ficus Auriculata	Dimiri

(Other Indigenous Species as per site quality will be planted also)

soil and Moisture Conservation Works: Since the area is plain as well as undulating, half-moon trenches on up-hill side of plants should be constructed. In the slopes, staggered trenches of 2mx 50Cmx 50Cm should be dug in between the planting line along the contours, and the excavated earth be piled on the downhill side to form a bond. The staggered contour trenches will act as place of deposit of eroded soil and check soil erosion.

Protection of the plantation: Iron Mesh & Chain Link Wire along the periphery of the plantation will be provided. Few watchers will also be engaged for protection of the plantation. Local V.S.S will be involved also for better protection of plantation.

watering: As this area selected is completely arid and natural vegetation indicates that without proper watering it would be too difficult to survive the saplings planted. Hence, as per the One Time Cost Norm for Compensatory Afforestation as approved by PCCF, Odisha Bhubaneswar vide his O.O No.1109 dtd.08.11.2021 watering provision has been prescribed.

People's Participation: Consequent upon the change in the approach of the Forest Department people's participation has been an inherent part in the protection and management of the forest and the local VSS members would be involved in the execution of the scheme.

Monitoring & Evaluation Mechanism: The scheme shall be executed by the Divisional Forest Officer, Ghumsur North Division with his staff and all prescribed records are to be maintained. In addition to internal monitoring by Forest Officers of State Government, a Monitoring Committee under item no. 3.4 (iii) of consolidated guidelines under F.C Act_1980 issued by MoEF, shall be established with a nominee of the Central Government to oversee that the stipulations, including those pertaining to Compensatory Afforestation are carried out.

Divisional Forest Officer, Ghumsur North Division. Financial outlay for raising of compensatory afforestation scheme over an area of 5.281 Ha. In AR plantation mode @ 1000 plants / Ha. of Degraded Revenue Forest Kissam in Ghumsur North Forest Division to accommodate 5281 Nos. of plants. The said scheme has been prepared as pr One Time Cost Norm for Compensatory Afforestation as approved by PCCF, Odisha Bhubaneswar vide his O.O. No.1109 dt.08.11.2021 with commencement of plantation from 2023-24 as Annexure – 4.

SI. No.	Description	Amount Rs.)
1	Cost of Plantation	
Α	AR (Block) Plantation @ 1000 plants per Ha. Over 5.281 Ha. Without fencing @ Rs.2,58,777/- per Ha. With provision of 10 years maintenance.	1366601
2	Watering Provision with Diesel pump set with Bore Well (1 Pump set + Bore well) @ Rs.5,27,321/- per 1000 Nos. seedlings over 5.281 Ha. (5,281 Nos. Seedlings) With 5 years maintenance	2784782
3	Cost of fencing with angle iron and chain link wire mesh over 5.281 Ha. @ Rs.4,62,316/-	2441491
	Sub-Total	6592874
4	15% of the total plantation cost towards EPA/ Incentive to VSS & monitoring, Evaluation	988931
	Grand Total	7581805

Prepared

Deputy Ranger I/c Range Officer, Tarasing Range Checked

Asst. Conservator of Forests, Ghumsur North Division.

Submitted

Divisional Forest Officer, Ghumsur North Division.

ANNEXURE-4

BASE COST NORM FOR COMPENSATORY AFFORESTATION (BLOCK PLANTATION) @ 1000 PLANTS PER HECTARE (18 months old seedling)

	WAGE RATE	Rs- 311/- PER	MANDAY	THE STATE OF THE S		
SL No	Items of work	Preferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Matrial Cost (In Rs.)	Total cos (In Rs.)
1	2	3	4	5	6	7
	Oth Year (Advance	work) Pre-Pla	nting Operation	n		
1	Survey, Demarcation and Pillar posting	Nov/Dec	2	622	0	622
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3	Site preparation (Cleaning & removal of debrises)	Nov/Dec	12	3732	0	3732
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	311	0	311
5	Alignment and stacking of pits	Feb/Mar	1	311	0	311
6	language of pats (45 cm x 45 cm X 45 cm) in hard and	Feb/Mar	40	12440	0	12440
7	Construction of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
_	Total		57	17727	3600	21327
		ar/Planting Ye	ar		7.77 90.7	
1	Refilling of pits by altering the dugout soil of the pits, application of organic compounds/ CDM/ FYM & mixing	Jun/Jul	7.5	2332.50	5000	7332.50
2	Transportation of 18 months old polythene bag seedlings in bired truck /tractor from the formation from the	Jul/Aug	0	0	6600	6600
3	Watering polypot seedlings at planting site	Jul/Aug	2	622	0	622
4	conveyance of polypot seedlings on head load from the sacking size to individual dugout pits within the planting size applying insecticide, fertilizers & planting after sampling the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	22.5	6997.50	o	6997.50
5	Sing of Fertilizer & Insecticide 1 W K / Bio-fertilizer @ 50 gms/plant as basal dose = 5 kg @ 8s.30/- per kg = Rs. 1500.00 1 Wrea/Vermicompost/Mo Khata/any other fertilizer 1 two subsequent doses @ Rs. 750.00 2 linsecticide/ Bio-pescticide @ 5 gms/plant=5 kg @ 3 150/- per kg = Rs. 750.00	Jul/Aug	0	0	3000	3000
6	Cassalty Replacement @ 10% (100 nos.)	Jul/Aug	2.5	777.5	0	777.5
7	1st weeding & Manuring	Aug/Sept	12	3732	0	3732
8	2nd Weeding, Soil working (1mt. diametre around the	Oct/Nov	15	4665	0	4665
9	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
000	Watch & Ward including watering as per requirement	Aug-Mar	12	3732	0	3732
	Total		76.50	23791.50	14600.00	38391.50
	2nd Y	ear Maintenand	ce			
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading &	Jul	0	0	600	600
2	Casualty replacement-10%	Jul	2.5	777.5	0	777.5
		jui	4.3	111.3		177.3
10	Loss of Fertilizer & Insecticide- A Cost of Insecticide/ Bio-pesticide @ 5 gms/plant = 0.5 Cost of Insecticide/ Bio-pesticide @ 5 gms/plant = 0.5 Cost of Insecticide	July/Aug	θ	0	2875	2875
	Meeding (Complete weeding), Manuring & Soil	Sep/Oct	15	4665	0	4665
_	Fire line tracing (2 m. wide fire line over 400 m long)	Feb/Mar	3	933	0	933
5	including maintenance of inspection nath					
_	March & Ward including watering as per requirement	Anr-Mar	18	5598	0	5598
5 6 7	Manch & Ward including watering as per requirement Wantenance of Temporary Labour Shed, Drinking water Specific and First Aid etc.	Apr-Mar Apr-Mar	18	5598 0	1000	5598 1000

SL No	ltems of work	Preferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Matrial Cost (In Rs.)	Total cos (In Rs.)
1	2	3	4	5	6	7
	3rd Y	ear Maintenan	ce	-70		200
1	Cost of Fertilizer(Urea/NPK/Bio- fertilizer/Vermicompost/Mo Khata/any other fertilizer	July/Aug	0	0	2800	2800
2	Weeding (Complete weeding), Manuring & Soil working (1mt diametre around the plants)	Sep/Oct	15	4665	0	4665
3	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
4	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar	0	0	1000	1000
	Total		36.0	11196	3800	14996
	4th Ye	ear Maintenanc	e			
1	Fre line tracing (2 m. wide fire line over 400 m long)	Feb/Mar	3	933	0	933
2	Watch & Ward including maintenece of vegetative	Apr-Mar	18	5598	0	5598
_	Total		21	6531	0	6531
	5th Ye	ar Maintenanc	e			
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
	Total 6th Yo	ar Maintenanc	21	6531	0	6531
		····		T	T	
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2	Fruning of branches, Singling out of multiple shoots	Jan/Mar	3	933.00	0	933.0
3	Watch & Ward Total	Apr/Mar	18 24	5598.00 7464	0	5598.0 7464.0
		ar Maintenanc		/101		7404.0
-		T		I		200
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward Total	Apr/Mar	18 21	5598.00 6531	0	5598 6531
		ar Maintenanc		1 6331 1		0331
				T T	T	
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
	Total Con V-		21	6531	0	6531
	9th Ye	ar Maintenance		rr		
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
	Total 10th Ve	ear Maintenanc	21	6531	0	6531
		T	***			
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933	0	933
3	Watch & Ward	Apr/Mar	18	5598.00	0	5598
	Total		21	6531	0	6531

Year wise Abstract of Cost Norm (showing seedling cost separately)

-		A.
1	1	iv

SL No	ltems of work	Preferable Period of Execution	No of Mandays	(In Rs.)	Matrial Cost (In Rs.)	Total cost (In Rs.)	
1	2	3	4	5	6	7	
	Tear	No. of Mandays	Labour cost (In Rs)	Material Cost(In Rs.)	Monitoring, Evaluation, Learning, Documentat ion and Other Contingency (5%) of (4+5)	Cost of Seedlings @Rs.50.31 per seedlings	TOTAL COST(In Rs)
1	2	3	4	5	6	7	8
-	Oth year	57.0	17727.0	3600.0	973.00	0.00	22300.00
2	list year	76.5	23791.5		1918.50	55341.00	95651.00
2	2nd year	38.5	11973.5		821.50	5031.00	22301.00
2	3rd year	36.0	11196.0		749.00	0.00	15745.00
5	4th year	21.0	6531.0		326.00	0.00	6857.00
5	Sh year	21.0	6531.0		326.00	0.00	6857.00
2	हिंदी प्रदेश	24.0	7464.0	0.0	373.00	0.00	7837.00
2	7th year	21.0	6531.0	0.0	326.00		6857.00
9	18th year	21.0	6531.0	0.0		**************************************	6857.00
110	9th year	21.0	6531.0	0.0			6857.00
	Ofth year	21.0	6531.0	0.0		0.00	6857.00
	Total:	358.0	111338.0	26475.0	6791.0	60372.0	204976.0

- Proof years be given to the indigenous local species available nearby to the site of plantation.

 The indigenous fruit bearing trees must be preferred to Plantation.

 She specific Soil conservation work like LBCD, Gully Plugging, Staggered Trench, Contour Trench, Graded Bund, etc. may be taken up the local link lencing can be adopted in the CA plantation taken up outside the forest area and Bamboo twigs fencing may be prefered for the local link lencing can be adopted in the CA plantation taken up outside the forest area and Bamboo twigs fencing may be prefered for local links for procurement of water & watering may be adopted as per the availability of water.

 The Cast Norm of various items can be changed with the approval of the concerned RCCFs keeping the overall cost norm fixed for each Financial

APCCF (Forest Diversion & NO, FC Act)

Matrix for Model-I A Conventional CA Plantation (AR) 1000 plants per Ha

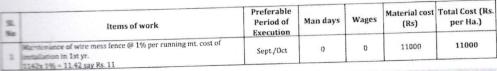
10	9	00	7	6	5	4	ω	2	н	Ba	NO.
2030-31	2029-30	2028-29	2027-28	2026-27	2025-26	2024-25	2023-24	2022-23	2021-22	Base Norm	Commenc ement Year
									22300	22300	1
								23415	100434	95651	=
							24586	105456	24585	22301	=
						25815	110729	25814	18226	15745	7
					27106	116265	27105	19137	8335	6857	<
	***************************************			28461	122078	28460	20094	8752	8751	6857	≤
			29884	128182	29883	21099	9190	9189	10502	7837	¥
		31378	134591	31377	22154	9650	9648	11027	9648	6857	ΥIII
	32947	141321	32946	23262	10133	10130	11578	10130	10131	6857	×
34594	148387	34593	74425	10640	10637	12157	10637	10638	10637	6857	×
155806	36323	25646	11172	11169	12765	11169	11170	11169	11169	6857	×
38139	26928	11731	11727	13403	11727	11729	11727	11727			¥
28274	12318	12313	14073	12313	12315	12313	12313				¥
12934	12929	14777	12929	12931	12929	12929					VIX
13575	15516	13575	13578	13575	13575						×
16292	14254	14257	14254	14254							IXX
14967	14970	14967	14967								X
15719	15715	15715	***************************************								Χ
16501	16501	**************************************		*****************	an neglear his neurolas est				***************************************		×
17326	***************************************										×
											×
364127	346788	330273	314546	299567	285302	271716	258777	246454	234718		Total Cost (10 Years)

APCCE (Forest Diversion & NO, FC Act)

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		CONTRACTOR OF THE		
Eon	rine	Moc	iei-	F-H

en	Fencing M Compensatory Plantation raised outside the (250 Rm	it/Ha.)				
	WAGE RATE RS-					
	ltems of work	Preferable Period of	Man days	Wages	Material cost (Rs)	Total Cost (Rs per Ha.)
0		Execution				***************************************
_	0th Yea	r (PPO)			T	
	Excavation of hole) in Hard soil at a distance 3 mt. 1 40m x 0.40m = 0.064 x 84 = 5.376 cum @ Rs. 140/ cum =		2.42	752.62	0.0	752.6
	Tement concrete (1: 4: 8) using 40 mm BHG metal	www.co.co.co.co.co.co.co.co.co.co.co.co.co.	0	0	5,047.4	5,047.4
	#= 1.1.40= X 0.40m X 0.10m = 1.344 @ 3755.94/cum **Ingle Brow pole of size 50 mm X 50 mm X 6 mm of height 2.40 mt. #= 1.2.40 = 201.60 Sqmt.	10 to			63,050.0	63,050.0
	4.50/sg/Sqmt = 907.20 kg @ 69.50 per kg	and a second of the desired second			22,123.0	22,123.0
	###C Chaps ## X 0.40m X 0.40m X 0.30m = 4.032 cum @ 5486.77/cum Chain link mess using 4 mm Dia GI wire having gap size 50	according to the state of the s			1,73,775.0	1,73,775.0
101	== 1.50 cm m = 5.25 Sq.mt @ 331/Sqmt = Rs. 1,73,775 Souther Cost painting of iron angel pole over a coat of primer using	***************************************				
5	and quality enamale paint 84 x 2 10 x 0 20 = 35.28 sqmt. @ Rs.108.80/Sqmt	adantena - torre anno arron a construir a da antico			3,838.0	3,838.0
7	Paining of Gl chain link mess 1050/10 = 105 Samt @ Rs. 108.80 Samt.				11,424.0	11,424.0
8	be the first link mess, Iron angle, Straighening & tieing of the mess etc. @ 2% of the total cost.				5,600.0	5,600.0
_	TOTAL		2.42	752.62	2,84,857.4	2,85,610.0
-	per running mt. 2,85,610/ 250= Rs. 1142/Rmt					******************************
-	1st Year N	Maintenance	0	T 0	1 0	0
11	No Maintenance is required.	Sept./Oct Maintenance	1 0	<u> </u>		
	Zhu tear	T	1	T		
1	Mammenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept./Oct	0	0	11000	11000
_	1142± 1% = 11.42 say Rs. 11 3rd Year	Maintenance				
11	Name nance of wire mess fence @ 1% per running mt. cost of metallation in 1st yr.	Sept./Oct	0	0	11000	11000
	1142x 1% = 11.42 say Rs. 11 4th Year	Maintenance				
1	Manuscance of wire mess fence @ 1% per running mt. cost of	Sept./Oct	0	0	11000	11000
	1142x 1% = 11.42 say Rs. 11 5th Year	Maintenance				
-	Maintenance of wire mess fence @ 1% per running mt. cost of	Sept./Oct	0	0	11000	11000
	1147-1% = 11.42 say Rs. 11	1	***************************************			
Ī	6th Year	Maintenance				
-	Mastenance of wire mess fence @ 1% per running mt. cost of	Sept./Oct	0	0	11000	11000
	1142x 1% = 11.42 say Rs. 11 7th Year	Maintenance	!			
	Maintenance of wire mess fence @ 1% per running mt. cost of	Sept./Oct		0	11000	11000
		Maintenance	:			
	Maintenance of wire mess fence @ 1% per running mt. cost of	Sept./Oct		0	11000	11000
	1142x 1% = 11.42 say Rs. 11 9th Yea	r Maintenance	е			
-	Maintenance of wire mess fence @ 1% per running mt. cost of a stallation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oc		0	11000	11000



S. 50	Abstract Year	No. person days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
		2.42	752.6	284857.4	285610.0
1	The year	0.0	0.0	0.0	0.0
2		0.0	0.0	11000.0	11000.0
33	One wear	0.0	0.0	11000.0	11000.0
46	2192	0.0	0.0	11000.0	11000.0
5	42 PET	0.0	0.0	11000.0	11000.0
55.	State of the state	0.0	0.0	11000.0	11000.0
=	52 FZ	0.0	0.0	11000.0	11000.0
(8)		******************	0.0	11000.0	11000.0
4	Bb rar	0.0	0.0	11000.0	11000.0
1930	P2 F2I	0.0	0.0	11000.0	11000.0
10	Total:	2.42	752.62	383857.4	3,84,610.0

APCCF (Forest Diversion & NO, FC Act)

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Matrix for Fencing Model-F- II (Iron angle with Chainlink wire mesh)

10	ω	00	7	6	5	4	ω	2	F 4	ваз	§ %
2030-31	2029-30	2028-29	2027-28	2026-27	2025-26	2024-25	2023-24	2022-23	2021-22	Base Norm	Comment ement Year
									285610	285610	***
								299891	0	0	unione Allento
							314886	О	12126	11000	No. of Section 1
						330630	Ö	12732	12734	11000	₹
					347162	0	13369	13371	13370	11000	<
				364520	О	14037	14040	14039	14039	11000	≤
			382746	O	14739	14742	14741	14741	14740	11000	<u>≤</u>
		401883	O	15476	15479	15478	15478	15477	15478	11000	<u>≤</u>
	421977	O	16250	16253	16252	16252	16251	16252	16252	11000	×
443076	a	17063	17066	17065	17065	17064	17065	17065	17064	11000	×
O	17916	17919	17518	17918	17917	17918	17918	17917	17918	11000	×
18812	18815	18814	18814	18813	18814	18814	18813	18814			×
19756	19755	19755	19754	19755	19755	19754	19755				XII
20743	20743	20742	20743	20743	20742	20743					ΑX
21780	21779	21780	21780	21779	21780						ž
22868	22869	22869	22868	22869							×
24012	24012	24011	24012								X
25213	25212	25213									W W
26473	26474										××
27798											×
											×
650531	619552	590049	561951	535191	509705	485432	462316	440299	419331		Total Cost

APCCF (Forest Diversion & NO, FC Act) amo 10 2030-31

In Rupees

	Watering Model-W-II						
	Watering provision to CA Plantation						
	Diesel pump set with Bore well (1 pump set + Bore well for 5 Ha Plantation), Wage rate @ Rs.311/-						
	Year of Installation (0th Year)						
11	3,50,000 1,50,000						
2	Cost of Diesel pump set 5HP 60,000						
	Diesel pump set & assessories like commander, Pipes, etc. 30,000						
4	Water Storage Tanks/ Flexible pipes 15,000						
	2,55,000						
	■ of Water per Plant (2,55,000/ 5000)= Rs. 51/-	51,000					
'n	Mater per Ha. = Rs. 51,000/-						
	1st Year Watering						
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000 =	21,000					
z	are nog 1000 Plants (Nov-Mar.) @ 200 plants/MD with 7 days rotation						
_	28 MD x 5 months = 100 MD x 311 =	31,100					
	Total	52,100					
_	2nd Year Watering						
1	expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=	21,000					
	Maintenance Diesel pump set etc. @ 15 % of the installation cost.	7,650					
2	200 plants (April- June & Nov-Mar 8 months) @ 200 plants/MD with 7 days rotation MD x 8 months = 160 MD x 311 =	49,760					
	Total	78,410					
	3rd Year Watering						
1	expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=	21,000					
	Manuscance Diesel pump set etc. @ 15 % of the installation cost.	7,650					
2	1000 Plants (April- June & Nov-Mar 8 months) @ 200 plants/MD with 7 days rotation 30 NO x 8 months = 160 MD x 311 =	49,760					
	Total	78.410					
	4th Year Watering						
	Securing expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=	21,000					
	ance Diesel pump set etc. @ 15 % of the installation cost.	7,650					
2	Witnesing 1000 Plants (April- June & Nov-Mar,- 8 months) @ 200 plants/MD with 7 days rotation	49,760					
	Total	70.410					
Ī	5th Year Watering	78,410					
i	Sour rear watering expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=	21,000					
i	Same nance Diesel pump set etc. @ 15 % of the installation cost.	7.650					
	1000 Plants (April- June & Nov-Mar 8 months) @ 200 plants/MD with 7 days rotation	7,050					
2	23 MO x 8 months = 160 MD x 311 =	49,760					
	Total	78,410					

Abstract								
S. No			erson ays	Labour cost @ Rs. 311/-per day	Material Cost	Total cost (Rs.)		
1	Oth year		0	0.0	51000.0	51000.0		
22	Est year	10	0.00	31100.0	21000.0	52100.0		
3	2nd year	1	60	49760.0	28650.0	78410.0		
4	Int year	1	60	49760.0	28650.0	78410.0		
5	His year	1	60	49760.0	28650.0	78410.0		
65	Shyear	1	60	49760.0	28650.0	78410.0		
		Total: 7	40	230140	186600	4,16,740		

Matrix for Watering Model-W-II (Diesel Pumpset Fitted with Borewell) per Ha

10	9	00	7	6	5	4	ω	2	ы	Ba	NO.
2030-31	2029-30	2028-29	2027-28	2026-27	2025-26	2024-25	2023-24	2022-23	2021-22	Base Norm	Commence ment Year
					***************************************				51000	5100	-
								53550	54705	52100	=
		***************************************	***************************************				56228	57440	86439	78410	Ξ
		- 27				59039	60312	90761	90771	78410	7
					61991	63328	95299	95310	95307	78410	<
	34.00			16059	66494	100064	100076	100072	100072	78410	≤
			68346	69819	105067	105080	105076	105076			\(\)
		71763	73310	110320	110334	110330	110330				S III
***************************************	75351	76976	115836	115851	115847	115847					×
79119	80825	121628	121644	121639	121639						×
84866	127709	127726	127721	127721							×
134094	134112	134107	134107	***************************************	***************************************		***************************************				X
140818	140812	140812									×
147853	147853				-						VIV
155246											×
				***************************************							×
741996	706662	673012	640964	610441	581372	553688	527321	502209	478294		Total Cost

ARCCF (Forest Diversion & NO, FC Act)

In Rupees

