OFFICE OF THE DIVISIONAL FOREST OFFICER: JEYPORE FOREST DIVISION

Memo No. <u>6 8</u> /4F-(Misc)-2023 Dated, Jeypore the th November,2023

То

The Regional Chief Conservator of Forests, Koraput Circle, Koraput.

Sub:-

Proposal for diversion of forest land 452.705 ha (Jeypore 47.362+ Malkangiri 405.343 ha) for construction to Jeypore-Malkangiri New BG Railway line of East Coast Railway coming under Koraput-Malkangiri District.

Ref:- Your Office Memo No.3733 dated.08.11.2023.

In inviting a kind reference to the above cited subject, I resubmit the revised Compensatory Afforestation scheme and Certificate of DSS and Diversion proposal four sets in respect of Jeypore Forest Division is sent herewith for favour of kind infroamtion and necessary action.

Encl: As above

Divisional Forest Officer Jeypore Forest Division

COMPENSATORYAFFORESTATION OVER FOREST LAND (63 Ha)OF KORAPUT DISTRICT, JEYPORE FOREST DIVISION, ODISHA

SCHEME FOR

AGAINST DIVERSION OF FOREST LAND (i.e.47.362 Ha) FOR

Construction of Jeypore-Malkangiri New BG Railway line of East Coast Railway coming under Koraput District

Prepared by

Divisional Forest Officer Jeypore Forest Division

SUITABILITY CERTIFICATE

Certified that,**100.138 Ha. of Forest Land** is available in Koraput District, Jeypore Forest Division is out of which the following details of land is suitable for the purpose of Compensatory Afforestation in lieu of diversion of forest land (47.362 Ha.) for construction of Jeypore-Malkangiri New BG Railway line of East Coast Railway coming under KoraputDistrict.

Sl. No.	Name of Range	Location	Area in Ha.	Remarks
1	Doinorigudo	BANABEDA PRF Part 1	50.031	
2	Bolpanguda	BANABEDA PRF Part 2	50.107	
		Total	100.138	

The following land details are available

		Name of the Forest	Area		Classification of indentified land (in Ha.)								
SI. No	Name of the Range	Block (RF/PRF/ PF/DPF/ Revenue Forest)	indentifi ed for CA/AC A/PCA/ (in Ha)	Very Dense Forest	Moder ately Dense Forest	Open Forest	Non Forest	Scrub	Water	Total	ble for plant ation in Ha		
1	2	3	4	-5	6	7	8	9	10	11			
		Banabeda	50.031	2	25	15	8.031	0	0	50.031	20		
1	Boipariguda	PRF	50.107	0	7.107	24	13	6	0	50.107	43		
	1 a- a	Total	100.138	2	32.107	39	21.031	6	0	100.138	63		

Out of 100.138 Ha identified degraded forest land, 63.00 Ha is suitable for Compensatory Afforestation purpose and no plantation has been carried out in the identified Compensatory Afforestation land in any scheme previously.

1. 1.

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<u>SCHEME FOR COMPENSATORY AFFORESTATION OVER DEGRADED FORESTLAND</u> (DFL) OF KORAPUT DISTRICT, JEYPORE FOREST DIVISION, ODISHA.

01. INTRODUCTION:

The proposed new line between Jeypore-Malkangiri is part of rail connectivity from Juragam to Bhadrachalam (440kms) passing through major towns/District headquarters of Odisha viz. Nabarangpur, Jeypore (existing station on KK line), Malkangiri, Malkangiri district presently has no rail head and is one of the most backward districts of Odisha

As the new Railwayline from Lanjigarh Road to Junagarh already commissioned. Construction of Nabarangpur-Jeypore-Malkangiri will start shortly after landacquisition. It will be important & useful for the development of the area, and may later become important route for passenger trains in the state of Odisha.

Moreover, Govt of India has approved final location survey from Junagarh to Nabarangpur and Malkangiri to Bhadrachalam in AP. Hence, it will be major rail route from Raipur to Hyderabad/Vijaywada also.

The area from Jeypore to Malkangiri is passing through hilly terrain and thick forests. Efforts made to minimize damage to forests and wild life. The important place enroute are Boipariguda, Tanginiguda, Mathil and Pandripani Road. Major town Boipariguda is approximately 25 km from Jeypore via SH-25. There are a number of forest areas including Reserve Forests in the vicinity, and attempt has been madeto keep interference with the forest area to the minimum extent.

The Malkangiri District have some industries, but the outgoing traffic and incoming traffic of these industries is neither source from or destined to these districts. The financial viability of the project has been assessed per freight traffic to mover over the project route viz. Agriculture produces, forest produce, industries and minerals.

State Govt of Odisha agreed to bear 25% of the total project cost and MOU made between Ministry of Railways and Govt. of Odisha to this extent. Considering the cost being shared by Govt. of Odisha, the Rate of Return on the project is accessed as10.53%

Having considered the need for development of Malkangiri District, the most backward district of Odisha in Kalahandi-Bolangir-Koraput Division, need for movement of expected traffic on the proposed section and State Govt of Odisha's Interest to develop the area and willingness to share 25% cost of the project, future extension of line up to Bhadrachalam & other places in Telangana /Andhra Pradesh States Railway Board has considered for new line between Jeypore-Malkangiri.

Various routes were identified from Jeypore to Malkangiri, considering various aspects of Project works, Socio economic issue & Interference of Forest land, the most feasible route with maximum safety at minimum cost and involving bare minimum requirement of forest land has been considered. No other alternative route is feasible which avoids forest land interference. All out efforts made to pass the proposed new line near the periphery of the forest area.

In lieu of diversion of 47.362 ha of Revenue Forest; as per Para 3.1 (i) of Guideline to Forest (Conservation) Act, 1980 and Chapter 2 (Part B) of F(C) Act 2019, any proposal submitted by the State Govt. seeking prior approval of Central Govt. under F(C) Act shall have a comprehensive Scheme for compensatoryafforestation duly approved by the Chief Conservator of Forest Diversion and Nodal Officer.

As per point no.f of para 2.5 of Guidelines to FC Act 1980, when the project is linear project and also implemented by the Central Govt., the Compensatory Afforestation could be carried out over Degraded Forest Land (DFL) twice in extent of the forest area being diverted. Therefore, 63Ha.of Degraded Forest Land (DFL)has been identified in Koraput District of Jeypore Forest Division for Compensatory Afforestation Purpose. Further, DSS has also been checked to find out the canopy density and accordingly the land has been finalized for Compensatory Afforestation purpose.

The details of the CA land is summarized as per below Table 1:

Sr.	Particular	Area (ha)
No.		
Land	identified to meet the criteria of Compensatory Affe	prestation
1	Forest Area applied for diversion	47.362
2	CA land identified	100.138

Table 1: Details of Land identified forCA Purpose

As per above Table no. 1, the DSS has been checked to finalize the plantation scheme as per the guidelines of MoEF & CC i.e. plantation of 1600nos trees per ha of Bald Hill plantation over 20 ha and ANR plantation per ha of 500 nos trees over 43 Ha of degraded forest land as identified under the applicable guidelines of Govt. of Odisha. The plantation to be carried out over forest land is provided below:

Table 2	2:1	Plantation	scheme	over	Forest	Land	after	DSS	Check

Sr. No.	Particular	Area (ha) / Nos.
1	Total Area of Forest land identified for CA	100.138
2	Hence, 58,850 nos. of tree can be planted over forest	58,850
	land (63 ha) considering 1600nos trees per ha of Bald	
	Hill plantation over 20 ha and ANR plantation per ha of 500	
	trees over 43.00 ha including (10% casualty Replacement)	

DETAILS OF THE SITE SELECTED:

(a) Crop Composition:

The main species noticed in this area are Amba(Schleichera oleosa), Jackfruit (Artocarpus heterophyllus), Tentuli(Tamarindus indica),Mahula(Madhuca indica),Dhaura (*Anogeissus latifolia*), Moi (*Lannea coromandelica*), Kendu (*Diospyros melanoxylon*), Karada (*Cleistanthus collinus*),Tangan (*Albizzia lebbek*), Char (*Buchnania lanzan*) and Salia bamboo (*Dendocalamus strictus*), etc. Crop density varies from<10% to 20%. In such areas, efforts are essential to deflect the biotic interference like grazing, fire, shifting cultivation etc. to maximum possible extent for restricting further degradation of the forestby providing fencing according to site condition.

(b) Temperature:

The average annual temperature varies from 13° C to 47° C, the minimum being in December- January and the maximum in May-June.

(c) Rain fall:

The annual average rainfall is about 1700mm. The maximum rainfall is received during the rainy season from July to September.

(d) Climate:

The climate of this area is characterized by a hot dry summer and well distributed rainfall by the South-West monsoon. The hot season starts from Februaryand continues till June, which is the hottest month of the year with mean daily maximum temperature of 36° C and the mean daily minimum temperature of 16° C. The rainy season starts from July to September, July being the month with the heaviest shower. Relative humidity is high in the South-West monsoon season.

(e) Soil: Wider ranging Soil - Wider ranging from Laterite soil to higher degraded and dominated by Lantana camara and Eupatorium species.

02. SPECIAL OBJECTIVES OF MANAGEMENT:

- To raise the species in Degraded Forest Land to improve the ecosystem and to support the local i) community's needs.
- To improve the bio-diversity of the site. ii)
- iii) To ensure participation of local communities i.e., Gadaba tribes (PVTGs) in protection and conservation of forests and wildlife.
- Simultaneously to improve the socioeconomic conditions of the local people. iv)
- To reduce the land degradation & restore to near normalcy especially. v)

07. NURSERY:

- A good nursery is the pre-requisite for a successful plantation. All care should be taken to raise healthy A) and sound seedlings of required size (152 cm height) before they are put to plantation site. Planting of Eighteen-month-old seedling of indigenous species shall be taken up. Nursery Program must be planned out as per the "Guide-lines" in the plantation manual 1977so that a good stock of healthy seedling can be raised. 10% extra seedling is to be raised to cover the shortfall due to casualty in the nursery stage/Plantation Site.
- The temporary nursery should be raised near the plantation site as far as practicable for which significant B) logistics support is required.
- The seeds should be collected preferably from plus trees or purchased from State Silviculturist. C)
- Proper treatment of seeds should be done as per the Plantation manual. D)
- During nursery stage periodical shifting and grading is recommended to avoid roots interlacing/ coiling in E) to the ground soil.

PROTECTION: 08.

The important element of successful plantation is Protection. Watchers are to be engaged for the various purposes such as protection, watering to prevent fire during summer season etc.

09. **CONTROL**:

The nursery journal, plantation journal and other records shall be maintained separately in accordance with the provision of "The Orissa Forest Plantation Manual 1977" indicating the physical and financial achievements. Necessary entries with regard to plantation activities undertaken shall be entered in the journals and shall be produced before the inspecting officers. In case of any eventuality like cyclone, thunderstorm, hail storm etc. if affect the plantation, this should also be noted. It is also necessary to note the distribution of rain fall which not only helps in monitoring the growth of plants at site but also acts as a guideline for the ensuing year's nursery schedule to be formulated.

Protection, measures shall be taken to save the plantation from fire/ grazing incidence. During February / March the cut materials are to be burnt (control burning) under strict supervision. The inspection path shall also have to be laid and weed growths are to be scrapped. Fallen leaves etc. are to be swept regularly.

SOIL & WATER CONSERVATION MEASURES: 10.

The land is highly degraded because of continuous shifting cultivation by Gadaba Tribes. Hence site-specificsoil moisture conservation measures are needed (The SMC measures has been proposed based on one time cost norms issued vide memo no. 1109 dated 08.11.2021 of PCCF, Odisha.

1. PLANTATION

The area will be restocked by planting adequate nos. of seedlings (58850 nos.) over the identified land for Compensatory Afforestation purpose. Taking into consideration of soil condition, requirement of local inhabitants and suitability of the site, the following local native species are recommended for plantation.

- a. Sisoo(Dalbergia Sissoo)
- b. Bija(Pterocarpus marsupium)
- c. Arjun(Terminalia arjuna)
- d. Karanja(Millettia pinnata)
- e. Neem(Azadirachta indica)
- Simili(Bombax ceiba) f.
- g. Kasi(Bridellia retusa)
- Teak (Tectona grandis) h.
- Tentuli(Tamarindus indica) i.
- Gambhar(Gmelina arborea) j.
- k. Mahula(Madhuca indica)
- Amala(Emblica officinalis) 1.
- m. Asan (Terminalia alata)
- n. Dhaura (Anogeissus latifolia)
- o. Kendu (Diospyros melanoxylon)
- p. Jamun(Syzygium cumini)
- q. Tangan (Albizzia lebbek)
- Salia bamboo (Dendocalamus strictus)(in highly degraded area of the CA Land & also has been r. demanded by local population)

PEOPLE'S PARTICIPATION 12.

The local communities are to be involved for the protection of the plantation. The V.S.S. (Van Suraksha Samiti) is to be formed (if not done earlier) & incentives to be given to the V.S.S. for their active participation in protecting the plantation. Livelihood option and Entry Point Activities are to be taken to improve the socio-economic status of the people living around the forest. For effective protection of area watch and ward shall be provided during the project period (from inception to 10th year) and subsequently the plantation will be looked after by the V.S.S.; Certain Entry Point Activities (EPAs) will enhance the socioeconomic conditions of this local people (PVTGs) & also ensure the protection of the plantation.

13. WATCH AND WARD

Watchers (one watcher for every 10Ha of Plantation) should be engaged from the day of inception of the plantation. Also, extra provision for watch and ward will be considered if applicable towards the successful implementation of scheme and for better protection of plantation.

14. FUNDING AGENCY

The Deputy Chief Engineer / Con-I, East Coast Railway, Koraput will pay the cost of Compensatory Afforestation amounting to Rs. 3,81,63,102/- (Rupees Three Crore Eighty One Lakhs Sixty three Thousand One Hundred Two)Only on receipt of Demand Notice from D.F.O., Jeypore Division. However, Deputy Chief Engineer / Con-I, East Coast Railway, Koraput will furnish an undertaking to pay any additional amount in case any direction from the competent authority.

15. EXECUTING AGENCY

Divisional Forest Officer, Jeypore Forest Division.

16. MONITORING AND EVALUATION

Divisional Forest Officer, Jeypore Forest Division shall monitor and evaluate the scheme periodically.

FINANCIAL OUTLAY OF COMPENSATORY AFFORESTATION SCHEME

Financial outlay of Compensatory Afforestation scheme for plantation in an area of 63ha of Degraded Forest

The financial outlay has been prepared as per the guidelines vide Order No 1109 dated 08.11.2021 of Principal.C.C.F & HoFF, Odisha, Bhubaneswar. During the finalization of financial outlay, onetime cost norm for CA has been considered and the Compensatory Afforestation cost amounting to Rs. 3,81,63,102/- (Rupees Three Crore Eighty One Lakhs Sixty three Thousand One Hundred Two)Only has been finalized including plantation over degraded forest land. The calculation detail of the proposed Compensatory Afforestation cost is

		38163102
	G. Total	. 19920
7	Due to repeated shifting cultivation by PVTGs the land is highly degraded and domination by laterite camone and eupatorium. Hence the plantation treatment of this area is reducing the soil erosion. Hence planting in this area is very essential. To ensure successful plantation in highly degraded land provision of fertile soil is required. A. Farm Soil / large quality of Sodiums Rs. 9200/- per Ha. (Rs. 9200.00 x 63 ha. = Rs5,79,600/-) B. As this area is very inaccessible for transportation of seedling to the plantation site is very difficult, hence a Temporary Nursery with watering along with Water Shed at plantation area is very essential for this (@Rs. 3000000/- per Temporary Nursery).(Total= Rs. 5,79,600/- + Rs. 3000000/-= Rs. 35,79,600/- Add Escalation Cost (20%)	3579600 715920
6	An area over 63Ha. is identify for Compensatory Afforestation in Dasmantpur section of Boipaiguda Range. This area is habited by PVTGs like Gadaba Tribes.	33867582
5	Cost of Solar System with Bore Well (1 system for 5 Ha. Plantation) to CA plantation over 20 Ha. @ Rs. 234221/ system. So, 4 Nos. of Bore well are required= Rs. 234221/- x 4 Nos. = Rs. 9,36,884/- (as per Watering Provision W-I)	936884
4	Soil & Moisture Conservation Measures (Total 100.138-2 Ha VDF) (98.138 ha x Rs. 39284/Ha.)[as per cost norm for in Annexure 11]	4047996
	Activities Total	2625700 28882702
3	Total Plantation Add 10% of the total plantation cost towards incentives to VSS / Entry Point	26257002
2	The Cost of Plantation ANR over 43.00 ha of Degraded Forest Land (DFL) in Jeypore Forest Division 500 plants per ha @ Rs.1,57,554 with 10% Casualty (i.e.23650 trees) & with 10 years maintenance [Matrix for ANR Plantation for Compensatory Afforestation (ANR) @ 500 plants per Ha with 10m Years Maintenance.]	9708640
2	Fencing Model F-II (Fencing through Angle Iron & Chain Link wire mesh) 250 RMT/ Ha @ 485432/ Ha, Fencing for 20 Ha Bald Hill	9773540
	Jeypore Forest Division, 1600 plants per ha @ Rs.4,88,677 with 10% Casualty (i.e.35200 trees) & with 10 years maintenance [as per cost norm Annexure-13 of Pltn Cost Norm 2019 vide O.O No 1335/12F(Affn)25/2018 dated 18.12.2018]	
1	The Cost of Plantation Bald Hill over 20 ha of Degraded E	1

(Rupees Three Crore Eighty One Lakhs Sixty three Thousand One Hundred / wo)Only



COST NORM FOR BALD HILL PLANTATION @ 1600 PLANTS PER HECTARE (Based on the "Per Ha Cost Norm for Bald Hill Plantation (Annexure-13)", vide Office Order no 1335/12F(Affn) 25/2018, dated 18.12.2018 of State Forest Headquarter, Odisha, Office of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar and Plantation for Compensatory Afforestation 1600 Nos of Plant/ Ha with 10 Years Maintnenace)

(Labour cost @ ₹311/- per manday)

SI.N	Item of Work	Preferable	Manday	Lohour	Matarial	Tatal
о.		Period of	Manuay			Total
		execution		Cost (4)	Cost (₹)	Cost in
	PREPARATORY OPERATIO	ON OTH YEA	D)			(₹)
1	Survey and demarcation			622	0	600
		Julie	2	022	0	622
	(ii) To be strengthened by planting of bamboo and other seedlings	June-Sent	11	3421	3301 25	6812
	in two rows. Bamboo to be planted at 2 meters spacing in	oune copt		3421	3331.23	0012
	staggered manner on the two rows, and the rest of the species to					
	be planted at 1/2 meter spacing along the two rows, the rows					
·2	being 2m apart. Thus 500 plant (125 bamboo and 375 others) to					
	be planted in two rows to cover 126 m of periphery/Ha by the					
	vegetative fence					
	(Bamboo seedlings @ Rs.12.43 per seedling X 125 = Rs.1553.75,					
	Agave seedling @ Rs.4.90 per seedling X 375 = Rs.1837.5)					1
3	Pitting (1600 per ha) each pit-45 cm3	Nov-Dec	128	39808	0	39808
	Soil and water conservation measures		130	40430	0	40430
	(a) Staggered trench along the contour @ 300 per ha (2.5mx0.5 m	Sept-Nov				
	x0.5m); digging of percolation pits @ 600 per ha in lieu of					
	staggered trenches, gully plugging and Drainage line treatment,					
	nait moon trench on the uphill side of each planting pit (100 MD					
4	plugging, drainage line treatment and helf mean treatly					
	progging, drainage line treatment and half moon trench).					
	(b) Site clearance- 8 MD, alignment and staking of contour lines	July-Aug	10	3110	0	3110
	on ground, planting pits, contour trenches / percolation pits and					
				1	2 5 5 6	
	IOTAL oth year		281.00	87391	3391	90782
	PLANTING OPERATION	(1ST YEAR)	100	22000	0 1	22000
	Freshening of pits -64 MD, filling with fertile soil and farm vard	June-July	109	33899	0	33899
2	manure (FYM) -24 MD, application of insecticide and planting of			×		
-	60 cm tall saplings including carriage of plants- 21 MD					
			-		0000	0000
3	Cost of Fertile Soil 0.25 cft @ Rs.8 per cft/FYM 0.25 cft @ Rs.15		U	U	9200	9200
	per ctt per pit	lune	6	1866	200	2066
4	Sowing of seeds on dug out earth of trench	July-Aug	36	11196	0	11196
E	fertilizer application- 5 MD, 1st weeding-7 MD, 2nd weeding -5	ouly / lug			°	
5	MD soil working- 7 MD					
	cost of Fertilizer and insecticide (Granular Insecticide @ 5		0	0	4480	4480
6	oms/plant @ Rs.80/- per kg=Rs.640.00, NPK 100 gms/plant in					
	two doses @ Rs.24 per kg= 3840					
	Maintenance of soil and Moisture Conservation measures (20% of	Oct-Dec	26	8086	0	8086
7	cost)					
0	Closure to grazing fire and other biotic interference by engaging	April-Mar	30	9330	0	9330
8	watch & ward	las Tal	10	2110	260	2470
٩	Fire tracing and control, display board construction, painting /	Jan-Feb	10	3110	300	3470
	writing, other miscellaneous cost		217	67487	14240	81727
	TOTAL (1st Year)		611	01-101	1TATV	

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Divisional Forest Officer Jeypore Forest Division

31.N o.	Item of Work	Preferable Period of execution	Manday	Lobour Cost (₹)	Material Cost (₹)	Total Cost in (₹)
	MAINTENANCE OPERATIO	N (2ND YEA	R)			
1	Casualty replacement- 6 MD including seedling cost @Rs.12.43	June-July	10	3110	1988.00	5098.00
2	Soil working- 7 MD, 1st weeding-6 MD, 2nd weeding -6 MD and fertilizer application -4 MD	Aug-Oct	23	7153	0	7153
3	Cost of fertilizer @ 50 gms NPK per plant @ Rs.24/- per kg-for 1600 plants =Rs.1920.00 Insecticide @ 5 gm per plant for 160			0	1984	1984
4	nos. of plants @ Rs. 80 per KG = Rs. 64.00 Maintenance of Soil and Moisture Conservation measures (20%	Aug-Oct	26	8086	0	8086
-	of cost)	Cob Mar	10	2110	0	3110
5 6	Closure to grazing, fire and other biotic interference by engaging	April-Mar	30	9330	0	9330
<u> </u>	TOTAL 2nd Year		99	30789	3972	34761
	MAINTENANCE OPERATIO	N (3RD YEA	२)			
1	SMC measures (Renovation)-26 MD and maintenance of plantation-14 MD as per requirement	April- Mar	40	12440	0	12440
2	Closure to grazing, fire and other biotic interference by engaging watch and ward	April- Mar	18	5598	0	5598
	TOTAL 3rd Year		58	18038	0	18038
	MAINTENANCE OPERATIO	ON (4TH YEAP	र)			
1	SMC measures - 21 MD and maintenance of plantation-14 MD	April- Mar	35	10885	500	11385
2	Closure to grazing, fire and other biotic interference by engaging watch and ward	April- Mar	18	5598	0	5598
1	TOTAL 4th Year	_	53	16483	500 -	16983
	MAINTENANCE OPERATIO	ON (5TH YEAR	()			
1	Closure to grazing fire and other biotic interference by engaging	April Mar	10	5509		5500
	TOTAL 5th Year		10	5590	0	5598
	MAINTENANCE OPERATIO	N (6TH YEAR	2)	5530	<u> </u>	5550
			· · · ·			
1	Closure to grazing, fire and other biotic interference by engaging	April- Mar	18	5598	0	5598
6 h	TOTAL 6th Year		18	5598	0	5598
	MAINTENANCE OPERATIO	ON (7TH YEA	२)			
1	Closure to grazing, fire and other biotic interference by engaging	April- Mar	18	5508		5509
	TOTAL 7th Year		18	5598	0	5598
	MAINTENANCE OPERATIO	ON (8TH YEA	R)	5550		5550
			-/			
1	Closure to grazing, fire and other biotic interference by engaging	April- Mar	18	5598	0	5598
-	TOTAL 8th Year		18	5598	0	5598
	MAINTENANCE OPERATIO	ON (9TH YEA	R)			
1	Closure to grazing, fire and other biotic interference by engaging watch and ward	April- Mar	18	5598	0	5598
1	TOTAL 9th Year	1-1-2-3	19	FEOD		
	MAINTENANCE OPERATIO		R)	2239	U	5598
1	Closure to grazing, fire and other biotic interference by engaging	April- Mar	18	5598	0	5598
	IOTAL 10th Year		18	5598	0	5598

Q, Divisional Forest Officer Jeypore Forest Division

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	rotal Cost	95321	174359	11549	44040	18940	17832	5878	5878	1010	0/00	8/85	5878	5878	386269	orm for be, the on may the	tation		ial Year.	Officer
Seedling	Cost @		88546		NCUX						10.00				96296	the hill, cost r than 30% slop : upper portic antation. But	up ed to CA plan		r each Financ	onal Fores
MELD and other	contigency 5%	(0+c+b) 4539	9000	4000	1738	902	849	280		700	280	280	280	280	13794	n remaining areas of t out crop having less t case of high hills, the plicable for normal pl	ınd, etc may be taken encing may be preferr		rall cost norm fixed fo	Divisi
		Total cost in (₹)	78/06	81727	34761	18038	00001	COROT	8655	5598	5598	5598	5598	5598	275879	l Plantation norm. I y sites having rocky ristics of the site. In per with norms apl n such case also.	tation r Trench, Graded Bu d Bamboo twings fe	ibility of water.	F's keeping the ove	
BSIRAU		Material cost (₹)	3391	14240	3977			200	0	0	0	0	0	0	22103	will qualify for Bald Hil ase of highly refractor the Bald Hill character th may be taken up at the entire plantation ir	irby to the site of plani ered Trench, Countour ide the forest area an	opted as per the avail	of the concerned RCCI	-
A	l abour cost @ ₹	311/-per day	87391	67487		50/05	18038	16483	5598	5598	5598	5598	5598	5598	753776	nore than 30% slope v vill be applicable. In c tify specifically about l with normal soil dep will be available for t	species available nea eferred to Plantation Gully Plugging, Stagg antatin taken up outs	& watering may be ad	ed with the approval	£
		No. Person Day	281	210	/177	66	58	53	18	18	18	18	18	18	816	ation, the hills having r 00 plants per hectare v C circle will have to cer Norm and the foot hil d Hill Plantation Norms	o the indenenous local earing trees must be p vation work like LBCD, e adopted in the CA pl orest area.	rocurement of water 8	us items can be chang	
		Vear	Att Voor	. Uth Year	1st Year	3 2nd Year	1 3rd Year	5 4th Year	5 Stth Year	7 6th Vear	8 7th Vear	0 / UI TCal	0 0th Voar	1 10 th Voar		In case of Bald Hill Plant: normal plantation @ 16(concerned CFs/RCCFs I/(quality for Bald Hill Cost provision of fencing Balc Note:-	 Priority must be given to 10% indegenous fruit bi Site specifit Soil Conserv Chain link fencing can bi taken up in degraded fo 	5 Watering facilities for p	6 The Cost Norm of vario	
		UN IS	SI. NO		2	(1)	4							-						

Total Cost		386269	422136	443242	465405	488677	513112	538769	565708	593994	623694	654879
X						ti ti						
×												14855
XIX		2									14148	14147
IIIAX										13474	13473	13474
IIVX									12832	12831	12832	12831
IXX								12221	12220	12221	12220	12220
×					-		11639	11638	11639	11638	11638	11639
XIX				-		2 and	11084	11085	11084	11084	11085	33623
IIIX					10557	- 10220	10557	10556	10556	10557	32022	34015
IIX				10054	10053	10054	10053	10053	10054	30497	32395	76188
×		5878	9575	9574	9575	P256	9574	9575	29045	30852	72560	284013
×		5878	9118	9119	9118	9118	9119	27662	29383	69105	270489	147874
X		5878	8685	8684	8684	8685	26345	27984	65814	257609	140832	
NII N		5878	8271	8270	8271	25090	26651	62680	245342	134126		
١٨		5878	7876	7877	23895	25382	59695	233659	127739			
5		5878	7502	22757	24173	56852	222532	121656				
>		17832	21674	23022	54145	211935	115863					
2		18940	21925	51567	201843	110346						
Ξ		44549	49112	192231	105091							
=		174359	183077	100087								
-		95321	95321									
Commence		e Norm	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
: S	N	Bas	-	2	m	4	ы	9	2	œ	6	10

Divisional Forest Officer Jeypore Forest Division Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (The Cost Norm is bsed on the Cost Norm for Fencing Model F-II (Fencing through Angle Iron & Chain Link Wire mesh) with 10 Years Maintenance Wage rate Rs.352 per mandays published vide office Order No 1109/9F-(Misc)-387/2021 dated 08.11.2021 of State Forest Head quarter, O/O the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.)

		(250 Rmt/H	ła.)			
SI. No	Item of work	Preferable Period of Execution	Man days	Wages	Marital cost	Total Cost (Rs.per Ha.)
0 Year						
1	Earth work (Excavation of pits) in Hard soil at a distance 3 mt. 0.40m x 0.40m=0.064 x 84=5.376 cum @ Rs.140/ cum=Rs.753.		2.42	851.84	0	851.84
2	Cement concrete (1:4:8) using 40 mm BHC metal		0	0	5,047.40	5,047.40
3	84 X 0.40m X 0.10m = 1.344@3755.94/cum Angle Iron pole of size 50mm X 50 mm X 6mm of height 2.40mt. 84 x 2.40=201 60Sqmt		_		63,050.00	63,050.00
	@4.50/kg/Sq.mt.= 907.20 kg@ 69.50 per kg	-				
4	Cement Concrete (1:2:4) for fixing the iron angle pole using 12mm BHG Chips 84 X 0.40m X0.40m X 0.30m = 4.032 cum				22,123.00	22,123.00
5	@5486.77/cum Cost of Chain link mesh using 4mm Dia GI wire having gap size 50mm X 50mm				173775	173775
6	250 Rmt X Double cost painting of Iron angle pole over a 84 x 2.10 x 0.20 = 35.28sqmt. @ Rs.108.80/Sq.				3,838.00	3,838.00
7	mt Painting of GI chain link mess				11,424.00	11.424.00
	250 x 2.10 x 2 = 1050/10 = 105 Sqmt.@108.80Sq.mt.					
8	Transportation of Chain link mesh,Iron angle,Straightening&tying of chain link mess etc. @ 2% of the total cost.				5,600.00	5,600.00
	Total		2.42	851.84	284857.4	285709.24
Rate						
1st Ye	ar Maintenance					
1	No Maintenance is required	Sept / Oct	0	0	0	0
2nd Ye	ear Maintenance	Tradition (Clarker Clarker Clarker Clarker)				
1	Maintenance of wire mess fence @ 1% per	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
3rd Ye	ar Maintenance					
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
4th Ye	ear Maintenance					
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
5thYea	ar Maintenance			1		
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
6th Ye	ar Maintenance					1

1 .		1 1		1 1		·····
/		Execution				
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
7th Yea	ar Maintenance				-	
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr.	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
8th Ye	earMaintenane					11000
1	Maintenance of wire mess fence @ 1% per	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
9th Ye	ear Maintenance					11000
1	Maintenance of wire mess fence @ 1% per	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
10th	Year Maintenance				11000	11000
1	Maintenance of wire mess fence @ 1% per	Sept / Oct	0	0	11000	11000
	1142 x 1% = 1142 say Rs.11					
		Abstract				Total cost
SL.	Year	No. person days	Labour cost	@ Rs.352/- per	Cost	Total cost
No				Jays	204057	295700
1	0 th year	2.42	85	51.84	284857	283703
2	1 st year	0		0	0	11000
3	3 2 nd year	0	-	0	11000	11000
4	1 3 rd year	0		0	11000	11000
5	5 4 th year	0		0	11000	11000
e	5 5 th year	0	-	0	11000	11000
	7 6 th year	0		0	11000	11000
8	8 7 th year	0		0	11000	11000
9	9 8 th year	0		0	11000	11000
10	0 9 th year	0		0	11000	11000
1:	1 10 th year	0		0	11000	294700
	Total	2.42	8	51.84	383857	564703

Divisional Forest Officer Jeypore Forest Division

/	Total	Cost			419331		000077	667044	467316		485432		509705		535191		561951		590049		610552	790610	TSCACO
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Divisional Forest Officer Jeypore Forest Division

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COST NORM FOR AIDED NATURAL REGENERATION (ANR) @ 500 PLANTS PER HECTARE) WITH 10 YEAR MAINTENANCE

Wage rate ₹ 311/Day.

(The Cost Norm is bsed on the Cost Norm for Comensatory Afforestation, Odisha @ 200 Plants / Ha. with 10 Years Maintenance Wage rate Rs.352 per mandays vide office Order No 1109/9F-(Misc)-387/2021 dated 08.11.2021 of State Forest Head quarter, O/O the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.)

Sil. No. Item of Work parked of P Mandays (P) (P) (P) 1 Survey, Demarcation and Pillar Posting, GPS Reading with application of Treatment Map (Digital Map) Nov/Dec 2 622 0 622 1 String Ling String Correction (Ling) (September Map) (Digital Map) Nov/Dec 2 622 0 622 2 String Ling Strump Correction (Ling) (September Map) (Digital Map) Nov/Dec 2 622 0 622 3 String Ling Strump Correction (Ling) (September Map) (Digital Map) Nov/Dec 2 622 0 622 3 String Ling Strump Correction (September Map) (Digital Map) Jan/Feb 13 4665 0 46653 3 Alignment and stacking for digitag of pits Feb/Mar 1 311.0 0 3120 5Monitoring , Evaluation, Learning, Documentation any other contriventy SN of the total cost June/July 4 1244 2500 3744 1 application of Organic compounds / CDM/ FYM & minker truck/ range of phopt seedings in hirder truck/ range of phopt seedings in hirder truck/ range of phopt seedings in hirder truck/ range of phopt se		Itom of Work	Preferable	Labour in	Lobour Cost (₹)	Material Cost	Total Cost in
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OTH VEAR OTH VEAR OTH VEAR 1 Survey, Demarcation and Pillar Posting, GPS Reading with applied. Nov/Dec 2 622 0 622 2 Preparation of Treatment Map (Digital Map) Nov/Dec 2 622 0 622 3 Site Control, high stump outling, singling of shorts et & removal of cut out after drying from the field to blank space. Jan/Feb 15 44655 0 4652 3 Allignment and stacking for digiting of pits Feb/Mar 1 9311 0 6220 0 6220 3 Allignment and stacking for digiting of pits Feb/Mar 1 9311 0 6220 0 6220 5 Allignment and stacking for digiting of pits Feb/Mar 1 12751 100 12851 5 Nonitoring, Fealuation, Learning, Documentation any other contriventy S% of the total cost 1 12751 1300 134400 1 application of Organic compounds / CDM/ FVM Jun/Aug 0 3300 3300 1 applicatinin of Organic compounds / CDM/ FVM Jun	51. NO.		Execution				
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2 Preparation of resement viap logical wipp) Nov/Dec. 2 622 0 622 Site Preparation Site Preparation Individual Operation Including dearance of weed, climber Jan/Feb 15 4665 0 4665 a cuttre, Hist tumo cutting, singling of hoits te & arenoval of cut Individual Operation for the field to blank space. 1 311 0 311 3 Alignment and stacking for digging of pits. Feb/Mar 20 6220 0 6220 3 Monitoring, Evaluation, Learning, Documentation any other contriventy S% of the total cost 41 12751 100 13800 3 Alignment and stacking in the dugout soil of the pits, application of Organic compounds / CDM/ FYM & mixing the same properly June/July 4 12751 100 13800 1 application of 18 months ald polytos texellings in hird truck / tractor from the permanent/ Mega Nursery to planting site including folding & uncloading (here age lead of 10 Rkm)& Stacking the seedling (P RS/) per seedling (20 Noi) Jul/Aug 1 311.0 0 311.0 3 Watering abnorts set difficient as exophing the solit with the planting site, applying instecoin polytops seedlings (the age lead of 10 Rkm)& Stackin		mapping	Nov/Doc	1	311	100	411
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5 Alignment and stacking for digging of pits Feb/Mar 1 311 0 311 6 Digging of pits (Sc mx 45 cm x 45	4	cutting, high stump cutting, singling of shoots etc & removal of cut out after drying from the field to blank space.	Janyreb	15			
6 Digging of pits (45 cm × 45 cm) Feb/Mar 2.0 6.220 0 6.220 SUB TOTAL 1000 12251 1000 12251 100 12851 7 Monitoring , Evaluation, Learning, Documentation any other contiventy 5% of the total cost 41 12751 100 13400 6RAND TOTAL STYEAR OPERATION 41 12244 2500 3744 application of Organic compounds / CDM/ FYM & June/July 4 1244 2500 3744 transportation of 18 monts old polypot seedlings in hired truck / tractor from thepermanent / Mega Nursery to planting site including lading & unolading (Avareage lad of 10 Rm), Stacking theseedling @ Rsi/- per seedling (10 Rm), Stacking theseedling @ Rsi/- per seedling site in chuding sites applying site including lading at thacking lite of plantation Jul/Aug 1 311.0 0 311.0 Cost of fertilizer & planting after scooping the soli with other speidem tractisk & pressing R station / the soli with other soli ge Rsi 30/- regression and the plantation Jul/Aug 1 34221 0 34221 6 Cost of fertilizer & planting after scooping the soli worksequent docse @ Rsi 30/- regression and the planting after scooping the soli worksequent docse @ Rsi 30/- regressig R sti 30/- regressig R si 30/- regression and the planti	5	Allignment and stacking for digging of pits	Feb/Mar	1	311	0	311
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7 Monitoring , Evaluation, Learning, Documentation any other contiventy 5% of the total cost 41 12751 100 134000 6RAND TOTAL 1ST YEAR OPERATION 41 12751 100 134000 1 application of Organic compounds / CDM/ FYM & mixing the same properly Juine/July 4 1244 2500 3744 1 application of S monosition of Magnetic compounds / CDM/ FYM & mixing the same properly Juine/July 4 1244 2500 3300 3300 2 including loading & undoaling (Average lead of 10 Rm)s Stacking these edling @ Rs6/- per seedling (Average lead of 10 Rm)s Stacking site of individual dug out pits within the planting site scopping the soil with other applied materials & presing the soil properly aroung the planted seedling on head load from the stacking site of individual dug out pits within the planting site scopping the soil with other applied materials & presing the soil properly aroung the planted seedling and Manuring after scopping the soil with other in two subsequent does @ Rs75/- (b) treet/term compost/ M Rhat / any other in two subsequent does @ Rs75/- (b) treet/term compost/ M Rhat / any other in two subsequent does @ Rs75/- (b) Insecticide Ø S gm/plant @ Rs.150/- per kg = Rs.375/ Jul/Aug 1.5 467 0 467 6 Casulty Replacement @ J0% (20 Nois) Jul/Aug 1.5 467 0 4288 0 2488 1		SUB TOTAL		41	12751	100	12851
7 other contiventy 5% of the total cost 4 1 12751 100 13400 GRAND TOTAL 1ST YEAR OPERATION	_	Monitoring, Evaluation, Learning, Documentation any					549
GRAND TOTAL 137 VEAR OPERATION 100 13200 1 application of Organic compounds / CDM/ FYM & mixing the same properly marked of 10 km/p8 stacking theseedling @ Ris6/- per seedling (Average lead of 10 km/p8 stacking theseedling @ Ris6/- per seedling in hard truck/ tractor from thepermanent / Mega Nursery to planting site including loading & undoad form the stacking theseedling on Ris6 and from the stacking site of planting in the planting site, applying in sections of the finite of planting in the planting site, applying is to to individual dug out pits within the planting site, applying applicational dug out pits within the planting site, applying is to to individual dug out pits within the planting site, applying is a stacking the soil properly aroung the planted site, applying applicate for firtuitizer (a)PIX Bio fertilizer @ 50 gms/plant as aloa co-Ris 275/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other in two subsequent does @ Ris 375/- content compost/ Mo Khata / any other fertilizer (a) PIX (Aug Content com	7	other contiventy 5% of the total cost					
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Refilling of pits by altering the dugout soil of the pits, application of Organic compounds / CDM/ FYM & mixing the same properlyJune/July4124425003/44Transportation of 18 months old polytot seedlings in hired truck / tractor from the permanent / Mega Nursery to planting site including loading & unloading (Average lead of 10 Rkm)& Stacking theseedling @ Rs6/- per seedling (220 Nos)Jul/Aug00330033003Watering polytot seedlings at tacking site of plantation site to individual dug out pits within the planting site, applying insecticede, fertilizer & planting after scooping the sol with other applied and far mitser scooping the sol with other seedling = 86.6 / Per seedling (220 Nos)Jul/Aug11.03421034216Conveyne of polytot seedlings at tacking site, applying insecticede, fertilizer & planting after scooping the sol with other applied and fertilizer (a) MPCM (Bio fertilizer @ 50 gms/plant as basi does @Rs.375/- (c) Insecticide Bio pesticide @ 5 gms/plant gets scooping the sol with other does @Rs.375/- (c) Insecticide Bio pesticide @ 5 gms/plant @Rs.150/- per kg = Rs.375/- (c) Insecticide/ Bio pesticide @ 5 gms/plant @Rs.150/- per kg = Rs.375/- (c) Insecticide/ Bio pesticide @ 5 gms/plant @Rs.150/- per kg = Rs.375/- (c) Insecticide gets and the plants(& Oct/ Nov82488024888Manuring Angu/SepJul/Aug103003009Fireline Tracing and Inspection PathFeb/Mar393309339Fireline Tracing and Inspection PathZuto YeaR OPERATION222210Watch & Ward including loading windo		1ST YEAR	OPERATION				2744
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Cost of Fertilizer & InsecticideJul001437.301437.303Kg@ Rs.150/- KG=37.50/- Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mo Khata/ any other fertilizer @ Rs1400/-001437.301437.304Weeding (complete weeding) Manuring and Soil working (1 Mt Diameter around the plant)Sep/Oct8248802488	2	Casualty Replacement	Jul	1.5	467	1437 50	1437 50
Cost of Insecticide / Bio pesticide @ 5 Gms / Plant=0.25 Kg@ Rs.150/- KG=37.50/- Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mo Khata/ any other fertilizer @ Rs1400/- Weeding (complete weeding) Manuring and Soil Sep/Oct 8 2488 working (1 Mt Diameter around the plant)		Cost of Fertilizer & Insecticide	Jul	0	U	1457.50	1407.00
3 Kg@ Rs.150/- KG=37.50/- Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mo Khata/ any other fertilizer @ Rs1400/- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -		Cost of Insecticide / Bio nesticide @ 5 Gms / Plant=0.25					
3 Kg@ KS.150/- KG=37.50/- Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mo Khata/ any other fertilizer @ Rs1400/- 4 Weeding (complete weeding) Manuring and Soil Sep/Oct 8 2488 working (1 Mt Diameter around the plant)		K-O D- 150/ KC-27 50/					
Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mio Knata/ any other fertilizer @ Rs1400/-	3	Kg@ KS.15U/- KG=3/.5U/-			_		
any other fertilizer @ Rs1400/- 8 2488 0 2488 Weeding (complete weeding) Manuring and Soil Sep/Oct 8 2488 0 2488 working (1 Mt Diameter around the plant) Image: Complete weeding in the plant) Image: Complete weeding in the plant in		Urea/NPK/Bio Fertilizer/ Vermi Compost/ Mio Kriata/					
4 Weeding (complete weeding) Manuring and Soil Sep/Oct 8 2488 0 2400 4 working (1 Mt Diameter around the plant) Sep/Oct 8 2488 0 2400		any other fertilizer @ Rs1400/-			7499	0	2488
4 working (1 Mt Diameter around the plant)		Weeding (complete weeding) Manuring and Soil	Sep/Oct	ð	2400	v	
	4	working (1 Mt Diameter around the plant)		-			

	Item of Work					
SI. No.		Preferable period of	Labour in Mandays	Lobour Cost (₹)	Material Cost (₹)	Total Cost in (₹)
5	Fire line tracing (2 m. wide fire line over 400 m long)	Execution Feb/Mar	3	933	0	022
	Including maintenance of Inspection Path			555	0	933
6	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
_	SUB TOTAL					1.000 m
7	Monitoring & Supervision charge 5% of the total cost		24.5	7619.5	1737.5	9357
	GRAND TOTAL		24.5	7619.5	1738	9800
	Cost of Fertilizer 3RD YEAR	OPERATION			2/30	5000
1				0		-
-	Khata/ any other fertilizer =1400/-	Sep/Oct	0		1400	1400
2	Weeding (complete weeding) Manuring and Soil	Aug/Sep		2488		
	working (1 Mt Diameter around the plant)		8	2100	0	2488
3	Fire line tracing (2 m. wide fire line over 400 m long)	Feb/Mar		033		
3	including maintenance of Inspection Path	100/1101	3	555	0	933
4	Watch & Ward including watering as per requirement	Apr-Mar		2722		
4	a settering as per requirement	Apr-Mar	12	3/32	o	3732
	SUB TOTAL					
5	Monitoring & Supervision charge 5% of the total cost		23	7153	1400	8553
	GRAND TOTAL		73	7153	1400	347
	4TH YEAR	OPERATION	23	/133	1400	8900
1	Fire line tracing (2 m. wide fire line over 400 m long) – including maintenance of Inspection Path	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
	SUB TOTAL		15	ACCE		4000
3	Monitoring & Supervision charge 5% of the total cost		15	4005		4665
	GRAND TOTAL		15	4665	0	4800
	5TH YEAR	OPERATION				
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of Inspection Path	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
	SUB TOTAL		15	4665	0	4665
3	Monitoring & Supervision charge 5% of the total cost					135
	GRAND TOTAL		15	4665	0	4800
	6TH YEAR	OPERATION			_	
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of Inspection Path	Feb/Mar	3	933	o	933
-	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	2727
2			12		0	5752
	SUB TOTAL		15	4665	0	4665
3	Monitoring & Supervision charge 5% of the total cost					135
	GRAND TOTAL	ODEDATION	15	4665	0	4800
1	Fire line tracing (2 m. wide fire line over 400 m long)	Feb/Mar	3	933	0	933
	including maintenance of Inspection Path	Ang Mar		2722		
2	Watch & Ward including watering as per requirement	Apr-Iviar	12	3732	0	3732
	SUB TOTAL		15	4665	0	4665
3	Monitoring & Supervision charge 5% of the total cost		45	4005	0	135
	GRAND TOTAL	PERATION	12	4005		4000
1	Fire line tracing (2 m. wide fire line over 400 m long)	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
			45	ACCE		4665
				4000		
2	SUB TOTAL		15	4005	0	135

SI. No.	Item of Work	Preferable period of Execution	Labour in Mandays	Lobour Cost (₹)	Material Cost (₹)	Total Cost in (₹)
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of Inspection Path	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
1. 1. 1. 1. 1.	SUB TOTAL		15	4665	0	ACCE
3	Monitoring & Supervision charge 5% of the total cost		15	4005		4005
	GRAND TOTAL	A state of the sta	15	1000		135
	10TH VEAP	ODERATION	15	4665	0	4800
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of Inspection Path	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
	SUB TOTAL			1		1. A.
3	Monitoring & Supervision charge 5% of the total cost		15	4665	0	4665
	GRAND TOTAL			and the second	-	135
			15	4665	0	4800

Divisional Forest Officer Jeypore Forest Division

			AI	321KAUI				
					Monitoring &			
		203			Supervision		Seedling	
SL.			Labour cost @ ₹		charge 5% of the		Cost @	
No.	Item of Work	No. Person Day	311/- per day	Material cost (₹)	total cost	Total cost in (₹)	50.31	Total Cost
1 Ot	th Year operation	41	12751	100	549	13400		13400
2 1s	st Year operation	41.5	12906 5	001	003 F	21200	27670 5	48870 5
3 2r	nd Year operation	24.5	7610 5	DUC1	CVV	000717	7515 5	17315 5
4 3r	d Year operation	23	7162	C'/C/T	1410	0000	0.0103	0000
5 41	h Vear onerstion		CCT /	T400	34/	200		8300
		15	4665	0	135	4800		4800
6 5t	th Year operation	15	4665	C	135	4800		4800
7 6t	th Year operation	15	4665		135	1800		
8 7t	h Year operation	15	4665		135	4800		1900
9 8t	th Year operation	15	4665		135	4800		
10 9t	h Year operation	15	4665		135	4800		4800
11 10)th Year operation	15	4665	0	135	4800		4800
TOTAL		235	73085	10537.5	3277.5	86900	30186	117086

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Divisional Forest Officer Jeypore Forest Division

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x						9505	9503	9505	9505	9505	9505
XIX					9052	9050	9052	9052	9052	9052	9052
IIIX				8621	8619	8621	8621	8621	8621	8621	15982
IX			8210	8209	8210	8210	8210	8210	8210	15221	21062
×	1800	7819	7818	7819	7819	7819	7819	7819	14496	20059	79607
×	1800	7446	7447	7447	7447	7447	7447	13806	19104	75816	20789
×	AROO	7092	7092	7092	7092	7092	13149	18194	72206	19799	
NII	4800	6754	6754	6754	6754	12523	17328	68768	18856		
II	4800	6432	6432	6432	11927	16503	65493	17958			
5	4800	6126	6126	11359	15717	62374	17103				
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Divisional Forest Officer Jeypore Forest Division

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Divisional Forest Officer Jeypore Forest Division

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Divisionál Forest Officer Jeypore Forest Division

CERTIFICATE ON DSS ANALYSIS FOR CA/ACA/PCA

This is certify that DSS Analysis of land identified for CA/ACA/PCA and subsequent ground truthing have been done. The outcome is as mentioned below:

		_	12	-	-		SI. No
		da		7	c		Name of the Range
	Total	Banabeda PRF		J	3	×	Name of the Forest Block (RF/PRF/PF/DPF /Revenue Forest)
	100.138	50.107	50.031	4			Area indentified for CA/ACA/P CA/ (in Ha)
	2	o	2	U	LOICH	Very Dense Forest	
	32.107	7.107	25	6	TOIGS	Moderately Dense Forest	Clas
	39	24	15	1.	1	Open Forest	ssification c
	21.031	- 13	8.031	~	2	Non Forest	of indentifie
	6	σ	0	6		Scrub	d land (in H
	0	0	0	10	1999	Water	a)
	100.138	50.107	50.031	Ξ		Total	а.
	36	24	12	12		Open Forest	Area si
	21	13	∞	13	- The second second	Non- Forest	uitable for p
	6	o.		14		Scrub	lantation (i
5	ß	43	20	15		Total	n Ha.)
53500		ANR 43 Ha @500=21500 No of Trees	Bald Hill-20 Ha @ 1600=32000 No of Trees	16	v		Plantation Model (Bald Hill/ANR)
		diverted land is 47.362 x 1000= 47362 Nos	Requirement of tree for	17			Remarks

Divisianal Foreston Hiper Jeyeyebre F8F88 DNISIon