

No. 178 70 /OMC/F&E/2017 19th December, 2017

To

The Divisional Forest Officer Keonjhar Forest Division, Dist-Keonjhar.

Sub:

Proposal for permission of 7.94 ha of forest land within the total mining lease area of 265.29 ha. for undertaking exploratory drilling of 59 nos. of boreholes in Dalki Iron & Manganese Ore Mining Lease of M/s OMC Ltd in Barbil Tahasil under the jurisdiction of Keonjhar Forest Division of Keonjhar District, Odisha. (Proposal No.FP/OR/ MRL/16/2014, State Sl.No.OR-01/2015 dated 31.12.2014).

Ref:

Memo No. 21952 Dt.11.10.2017 of Addl. PCCF, Forest Diversion & Nodal

Officer, F.C Act.

Sir,

Addl. P.C.C.F, Forest Diversion & Nodal Officer, F.C Act, while scrutinizing the diversion proposal has pointed out some discrepancies vide Memo under reference. The point wise compliance on the observations is furnished as below:

Non-forest Government land for Compensatory Afforestation over 6.76 ha. has been allotted by Collector Kalahandi. Compensatory Afforestation Scheme over 6.76 ha. has been prepared by the D.F.O, Kalahandi (South) Division and submitted to Addl. PCCF, Forest Diversion & Nodal Officer, F.C Act, for technical approval.

The non-forest land selected for Compensatory Afforestation will be mutated in favour of Forest Department after Stage-I clearance is accorded by MoEF&CC.

Copy of the land schedule of the non-forest land duly signed by the Tahasildar, letter by Collector Kalahandi for allotment of non-forest land for Compensatory Afforestation, non-encroachment and non-encumbrance certificate by Tahasildar, Thuamulrampur, Site suitability certificate by DFO, Kalahandi(S), shape file and KML file of non-forest land in form of CD are enclosed herewith along with a copy of Compensatory Afforestation scheme.

It is requested to kindly forward the above compliance to higher quarter for taking necessary action.

Executive Director (F&E)

Yours faithfully

The Odisha Mining Corporation Ltd.

(A Gold Category State PSU)

Registered Office: OMC House, Bhubaneswar-751001, India
Tel: 0674-2377400/2377401, Fax: 0674-2396889, 2391629, www.omcltd.in

CIN: U131000R1956SGC000313

Memo No. /OMC/F&E/2017, dtd.19.12.2017

Copy forwarded to the Special Secretary to Government of Odisha, F&E Department, Bhubaneswar for kind information and necessary action.

Copy forwarded to the Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for kind information and necessary action.

Copy forwarded to the Regional Chief Conservator of Forest, Rourkela Circle for kind information and necessary action.

Executive Director (F&E)

Memo No.

/OMC/F&E/2017, dtd.19.12.2017

Copy forwarded to the Regional Manager, Barbil, OMC Ltd, for information. He is requested to co-ordinate with the DFO, Keonjhar to forward the compliance to the higher quarter at an early date.

Executive Director (F&E)

SCHEME FOR COMPENSATORY AFFORESTATION

FOR

IN EXPLORATION OF MINERALS IN DALKI IRON & MANGANESE ORE MINES OF ODISHA MINING CORPORATION LTD.

Over an area of 6.760 hectares situated in Keonjhar Forest Division

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 6.76 hectares of forest area to be diverted for prospecting in Dalki Iron & Manganese Ore Mines of Odisha Mining Corporation Ltd. in Keonjhar District.

Exploration will be done in Dalki Iron & Manganese Ore Mines of OMC Ltd in Keonjhar District. Total Mining Lease area of the mine is 265.29 hectare out of which 246.524 ha. area is forest land. Temporary roads to be constructed for movement of drilling equipments to 36 Bore Hole Pads will cover forest area of 6.76 ha. and Compensatory Afforestation needs to be raised over equivalent non-forest area. Collector, Kalahandi vide letter No. 1901/Rev Dated 9.11.2017 (Annexure-A) forwarded the land details with trace maps to DFO, Kalahandi South Division permitting transfer of 6.76 hectares non-forest land for raising compensatory afforestation by the State Forest Department at project cost. The site specific schemes are therefore prepared as follows:

1. Details of non-forest land:-

District: Kalahandi

Tahasil: Thuamul Rampur

Village	Khata No	Kisam	Plot No.	Area of the plot	Area taken for this project
Tala Ambapadar	51 (Abad Ajogya	Dangar Dangar	61 62	38.75 34.25	12.37 4.33
Total	Anabadi)				16.7 ac. Or 6.76 ha.

The village maps showing the land details for the proposed compensatory afforestation is enclosed as Plate No._____ of the FDP.

The jointly verified non-forest land by Forest and Revenue authorities is enclosed as Annexure-(B).

Proposed Compensatory Afforestation area showing on the topo sheet No. E44F2 is furnished as Annexure-(C).

G.P.S co-ordinates of survey stations of Compensatory Afforestation area are furnished as Annexure-(D).

2. Description of Area

- I. Whether the site selected for Compensatory Afforestation is a land bank or not: This identified non-forest area is under the control of Revenue Department and classified as 'Dangar'. It is not a land bank
- II. If the CA site is other than the land bank, reasons be given: No land bank has been established yet for this purpose.

- III. In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: 1 km from Khakes R.F.
- IV. Soil type: Lateritic soil.

V. Topography:

- a) Hilly/Undulating/Plain: The Compensatory Afforestation sites are hilly and undulating.
- b) Slope: Steep/Medium/Gentle: The sites selected for Compensatory Afforestation have medium to gentle slope.
- VI. Whether the area is bearing any root stock of vegetation: The sites selected for Compensatory Afforestation are either barren or with weed growth like Lantana, Eupatorium, Woodfordia fruticosa, Combretum decandrum. Root stock of any principal species like Sal is not available.

3. Plantation Model:-

Since the area is hilly, Bald Hill plantation with 1600 plants per hectare will be raised. Maintenance of plantation for 10 years is also required as per F.No. 11-168/2009-FC Date 14.2.2012 of MoEF. Considering these facts a site specific cost norm for the plantation is furnished as Annexure-(F).

4. Schedule of Plantation Programme:-

Detail of year wise break up of requirements of funds is as under:-

Year	Area in Ha.	Rate/ Ha.	Amount
0th Year	6.76	69978.00	473051.00
	0.70	65752.75	444489.00
1st Year		24632.50	166516.00
2nd Year		14945.00	101028.00
3rd Year		11315.50	76493.00
4th Year		11315.50	76493.00
5th Year			76493.00
6 th Year		11315.50	76493.00
7th Year		11315.50	•
8th Year		11315.50	76493.00
9th Year		11315.50	76493.00
10th Year		11315.50	76493.00
Total		254516.75	1720533.00

5. Technical details:- Technical details of Compensatory Afforestation Scheme are as follows:

a) General Details:

Survey & Demarcation of boundary:

The identified area will be surveyed by DGPS and the area will be demarcated with RCC pillars of size 2.5 mtr x 30 cm x 30 cm. This work will be done by the User Agency at Project cost.

Fencing:

To protect the plantation from grazing and other biotic interference, it will be provided with 7 strand barbed wire fencing with RCC pillars, the cost for which will be paid by the User Agency. Since non-forest areas adjoining this site have also been taken for Compensatory Afforestation for other projects and barbed wire fencing will be done around the entire patch, the length of barbed wire fence needed in this project is furnished below.

1	,				T-tallameth of
Sl	Village	Length of outer	Length of enclosures	Length of common fence	Total length of
	, ,,,,,,	periphery of the	if required to be	of adjoining project	fence required
		site in mtr	fenced	which need not be	(3+4-5)
Νo		D100 111 1110-		fenced	
(1)	(2)	(3)	(4)	(5)	(6)
(-)	`	1131.714	Nil	With Parulipada CA =	584.934 mtr
1	Tala Ambapadar		11111	412.1 mtr + with CA	
•	Timoapadar			for Daitari conveyor	
				134.68 mtr	
Tot	l	1131.714		546.78 mtr	584.934 mtr

Estimate for barbed wire fencing has been provided in Annexure – (E).

Planting and post-planting:

b) Compensatory Afforestation areas of this project and its adjoining projects should be treated as a single plantation for proper management. Bald Hill plantation shall be taken up with 1600 plants per hectares at spacing of 2.5 m x 2.5 m. Alignment and pit marking should be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs and not the distance measured along the slope. All post planting measures like casualty replacement, soil working, manuring, fire protection etc. will be undertaken. The plantation area should be divided into 4 hectare plots. These plots should be demarcated in the field before digging of pits so that the demarcating line does not cross a plantation row. The 4 ha plots should be shown on map. Cost norm for Bald Hill plantation is furnished as Annexure-(F).

While taking up plantation, the following vital points shall be taken up for consideration: -

- > Care to be taken to raise healthy plantable seedlings of minimum 60 cm height. 10% extra seedlings are to be raised for replacement of casualty.
- > Pitting shall invariably be done during November-February i.e., before onset of monsoon. If possible the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first.
- > Planting shall be done on the onset of monsoon to get full benefit of monsoon rain and planting should never be delayed.

- ▶ Basal dose of 50 grams of NPK and 5 grams of Chlorpyriphos dust per plant should be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with fertilizer.
- > In case of any mortality of planted seedlings, it should be replaced with good seedlings as soon as possible for better success rate.
- > Complete weeding in proper time will be done. Strip weeding will not be permitted.
- > Soil-working and application of 2nd dose fertilizer of 50 gms NPK per plant should be done in time.
- > Since the area is provided with barbed wire fence, watch & ward will be easier and the watchers may be engaged in weeding in problematic areas alongwith watch & ward.

c) Species:

Although indigenous species are to be preferred in the plantation, considering adverse soil & moisture conditions we may go for hardy exotic species where required so that the plants are able to survive. For success of plantation in interior tribal areas, plantation of fruit and NTFP species plays a great role since economic species have a little value for local people. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted

Name of species	Common name	Remarks
Azadirachta indica	Neem	
Derris indica	Karanja	
Emblica officinalis	Amla	
Terminalia chebula	Harida	In lower areas with good soil depth
Terminalia bellirica	Bahada	In lower areas with good soil depth
Dalbergia sissoo	Sissoo	In lower areas with good soil depth
Gmelina arborea	Gambhari	In lower areas with good soil depth
Dendrocalamus strictus	Salia bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
Cassia siamea	Chakunda	In lower areas with good soil depth
Tamarindus indica	Tentuli	In lower areas with good soil depth
Madhuca indica	Mahul	Only two years old seedlings may be planted
Simaruba glauca	Simaruba	In rocky areas with low soil depth
Zizyphus mauritania	Barkoli	In rocky areas with low soil depth
Tectona grandis	Teak	Potted seedlings from pre-sprouted healthy stumps will be planted
Mangifera indica	Mango	In situ plantation (direct placing of mango stone in planting site) during pre-monsoon may be adopted in few lower areas or where life-saving watering can be done during summer

- d) Soil and Moisture Conservation Works:Since most of the areas are hilly and undulating, half-moon trenches on down-hill side of plants should be constructed.
- e) Protection of the plantation: 7 strand Barbed wire fence with RCC pillars all along the periphery of the plantation will be provided. Few watchers will also be engaged for protection of the plantation.
- 6. Proposed Monitoring Mechanism: The scheme shall be executed by the Divisional Forest Officer, Kalahandi South 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.
- 7. Total cost of the project: The total cost of the project is Rs. 30, 29,500.00 (Rupees Thirty lakh Twenty-nine thousand Five hundred) only as detailed in Annexure-(G) which shall be payable by the user agency to the D.F.O, Kalahandi Scuth Division on demand.

Divisional Forests Officer Kalahandi South Division Divisional Forest Officer Kalahandi South Division

OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE: KALAHANDI

No.

1901

/Rev- Date:

09,11,2017

To,

Divisional Forest Officer (South) Kalahandi, Bhawanipatna

Sub:

Filing of requisition for Compensatory Afforestation - allocation of non-

forest Govt, land.

Ref:

This office letter No. 1610/Rev. dtd 26.09.2017 and your letter No.

4083 / 3F dated 27.10.2017.

Sir

I am to say that non-forest Government land measuring to an area of 21.483 hector in village Tal Ambapadar under Th.Rampur Tahasil has been identified for allocation for raising compensatory afforestation in lieu of diversion of forest land pertaining to different mining projects of M/S. OMC Ltd., Bhubaneswar.

As such, you are requested to file requisition in Form No. 1-A for each project separately alongwith copy of joint verification reports before Tahasildar, Th.Rampur immediately for processing the alienation of the said Govt land in favour of Forest & Environment Department.

Yours faithfully

Kalahandi

Memo No.

/Rev. Date:

0911.2017

Copy alongwith joint verification report forwarded to Tahasildar, Th.Rampur for information. He is requested to process the alienation proposal in favour of the Forest & Environment Department on obtaining the requisition from the Divisional Forest Officer (South), Kalahandi

Kalahandi

Memo No.

1-9-03

/Rev. Date: 09,11,2017

Copy to Sub-Collector, Bhawanipatna for information and necessary action

Kalahandi

Memo No.

/Rev. Date:

0911, 2017

Copy to Managing Director, OMC Ltd., Odisha, Bhubaneswar with reference to his letter No.13323/OMC dtd 11.09.2017 for information and necessary action

> Collector Kalahandi

JOINT VERIFICATION REPORT OF NON-FOREST GOVT. LAND IN VILLAGE TALA AMBAPADAR UNDER TH.RAMPUR TAHASIL OF KALAHANDI DISTRICT FOR RAISING COMPENSATORY AFFORESTATION AGAINST EXPLORATORY DRHLLING OF DALKI AND MANGANESE MINES OF OMC LTD LOCATED IN THE DISTRICT OF KEONJHAR, ODISHA.

Certified that on joint verification of non-forest Govt. land (Kissam- Dangar) in Village Tala Ambapadar of Th.Rampur Tahasil of Kalahandi District, it is found that the schedule wise land mentioned as given under is suitable for bald hill block plantation and free from encroachment and encumbrances, does not comes under DLC land and FR Settlement.

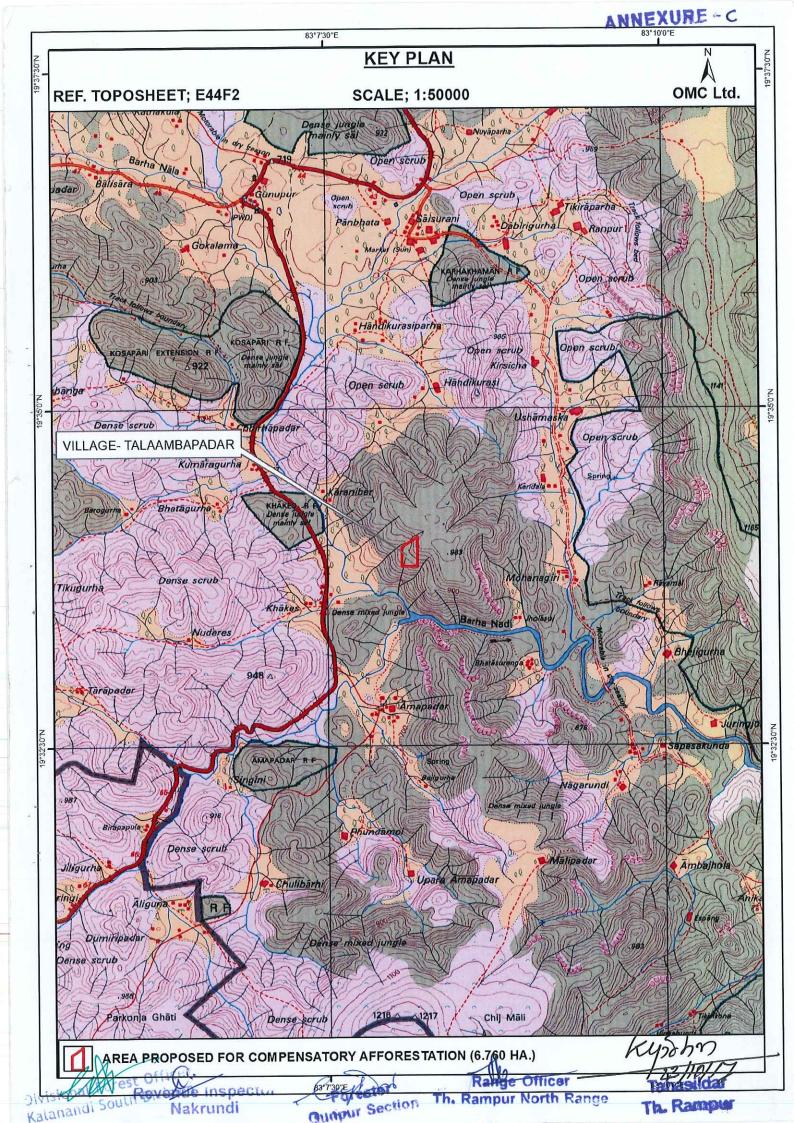
-	Name of the Mines	Tahasil	Village	Khata No	Plot No	Kissam	Total area of the plot (Ae)	Area considered (Ac)
	Dalki Iron and	MPUR	TALA	53 (AAA)	61	Dangar	38.75	12.37
1	Manganése Mines	THUAMULRAMPUR	AMBAPADA R		62	Dangar	34.25	4.33
٥		THUA			Total		16.700 Ac Ha.	or 6.760

Revenue Inspector

Forestertes
Th. Rampunerton

Range Officer
The Rampiliser
The Rampur North Range

Tahasilda 3/10/17
Th. Rampur



GPS READING OF THE AREA PROPOSED FOR COMPENSATORY AFFORESTATION

				S OF THE BOUN	Backward bearing	Distance in mtr
From	To	Longitude	Latitude	Forward bearing		
1	_	83°08'03.53"	19°33'58.22"	50°29'49"	230°29'49"	15.263
1		83°08'03.93"	19°33'58.54"	47°06'11"	227°06'11"	21.347
2				61°15'22"	241°15'22"	46.800
3	4	83°08'04.45"	19°33'59.02"	- 1 - Common - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
4	5	83°08'05.84"	19°33'59.78"	56°56'38"	236°56'38"	132.133
		83°08'09.58"	19°34'02.21"	42°22'05"	222°22'05"	38.744
5	6		and the second of the second o	10 TO THE CO.	0°56'26"	412.725
6	7	83°08'10.45"	19°34'03.15"	180°56'26"		
7	8	83°08'10.54"	19°33'49.75"	271°56'21"	91°56'21"	206.344
	1	83°08'03.47"		1°42'27"	181°42'27"	258.358
8	1	83 08 03.47		R 1131.714 MTR &	ADEA 6760	

Revenue Inspecto. Nakrundi

Th. Rampur

Range Officer Th. Rampur North Range Divisional Forest Officer Kalahandi South Division

	COST NORM FOR BALD HILL PLANTAT	TON @	1600 PI	LANTS P	ER HEC	TARE
SI No	I tom of mode 100 300 500 500 500	Preferable period of execution		213.00 per	cost per hectare in	Total co
Pr	eparatory operation (0th Year)			day	Rs	
	Survey and demarcation	June	2	427.00	0	427.0
	Pitting (1600 pits per ha.)- each pit 45cm ³	Nov-Dec	128	27328.00	0	427.0
3.	Soil and water conservation measures	1101-000	120	21320.00	U	27328.
	 (a) Staggered trench along the contour @ 300 per ha (2.5mx0.5mx0.5m), digging of percolation pits @ 600 per ha in lieu of staggered trenches, gully plugging and Drainage line treatment, half moon trench on the uphill side of each planting pit (100 MD for staggered trench/ percolation pits and 30 MD for gully plugging, drainage line treatment and half moon trench) 	Sept-Nov	130	27755.00	0	27755.
	(b) Green Fencing To be strengthened by planting of bamboo and other seedlings in two woes. Bamboo to be planted at 2 meters spacing in staggered manner on the two rows, and the rest of the species to be planted at ½ meter spacing along the two rows, the rows 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. 9.45 per seedling x 125 = Rs. 1181.00 Agave seedling @ Rs. 3.50per seedling x 375 + Rs. 1312.00)	June – Sept.	11	2348.50	2493.00	4841.5
	(c) Site clearance-8 MD. Alignment and staking of contour lines on ground, planting pits, contour trenches/ percolation pits and check dam sites etc2 MD	, , ,	10	2135.00	0	2135.(
	Raising of seedlings in poly bags (minimum 60 cm high) @ Rs 9.45 per seedling (Rs 6.67 in 0 th year) Part (1760 saplings to be raised for one hectare from January-March @ Rs 11739/-	October-	44	9394.00	2939.00	12333.
To	tal 0 th year		325	69387.50	5432.00	74819.
	Planting Operatio	n (1 st Yea	ır)			
	Cost of sapling (balance) from April-June/July @ Rs 2.78 per seedling for 1760 seedlings = Rs.4893/-	April- July	21.5	4590.25	593.00	5183.2
	including carriage of plants-21MD	June-July	109	23271.50	0	23271.
	Cost of fertile soil 0.25 cft @ Rs 6 per cft/ FYM 0.25 cft @ Rs 15 per cft per pit		0	0	9200.00	9200.0
	Sowing of seeds on dug out earth of trench	June	6	1281.00	200.00	1481.0
,	Carriage-6 MD. Planting including casualty replacement-6 MD, fertilizer application-5 MD, 1 st weeding-7 MD, 2 nd weeding-5 MD, soil working-7 MD.	July- August	36	7686.00	0	7686.0
i	Cost of fertilizer and insecticide (Granular insecticide @ 5gms/plant @Rs 80/- per kg = Rs 640.00, NPK 100 gms/plant in two doses @ Rs 24 per kg = Rs 3840.00		0	0	4480.00	4480.0

measures (20% of cost) Closure to grazing, fire by engaging watch & w Fire tracing and control painting/writing, other a Total (1st year) Casualty replacement-6 Rs 9.45 per seedling Soil working-7 MD, 1st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, for Closure to grazing, fire by engaging watch & w Total 2nd Year S.M.C measures (Renov 2 Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire for Total 3rd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & was Total 4th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & was Total 5th Year						
8 Closure to grazing, fire by engaging watch & w 9 Fire tracing and control painting/writing, other in Total (1st year) 1 Casualty replacement-6	Moisture Conservation	October- Dec	26	5551.00	0	5551.00
Fire tracing and control painting/writing, other a Total (1st year) Casualty replacement-6 @ Rs 9.45 per seedling Soil working-7 MD, 1st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2nd Year S.M.C measures (Renove 2 Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3nd Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire a by engaging watch & wa Total 4th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire a by engaging watch & wa Total 5th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire a by engaging watch & wa Total 5th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire a by engaging watch & wa Total 5th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire a by engaging watch & wa S Repair of barbed wire fee Total 6th Year	and other biotic interference	April-	20	6405.00		6405.00
painting/writing, other is Total (1 st year) Casualty replacement-6 @ Rs 9.45 per seedling Soil working-7 MD, 1 st 6 MD and fertilizer app Cost of fertilizer @ 50 ger kg for 1600 plants gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2 nd Year S.M.C measures (Renove Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3 rd Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire aby engaging watch & wa Total 4 th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire aby engaging watch & wa Total 4 th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire aby engaging watch & wa Total 5 th Year S.M.C measures-21MD plantation — 14 MD Closure to grazing, fire aby engaging watch & wa Total 5 th Year		March	30	6405.00	0	6405.00
Casualty replacement-6 @ Rs 9.45 per seedling Soil working-7 MD, 1st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2nd Year 1. S.M.C measures (Renove) Maintenance of plantation Closure to grazing, fire aby engaging watch & w Repair of barbed wire fee Total 3rd Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 4th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 4th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 5th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 5th Year 2. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 6th Year 2. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire aby engaging watch & wa Total 6th Year	niscellaneous cost	Jan-Feb	10	2135.00	360.00	2495.00
@ Rs 9.45 per seedling Soil working-7 MD, 1 st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2 nd Year S.M.C measures (Renove Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3 rd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 4 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year			238.5	50919.75	14833.00	65752.7
@ Rs 9.45 per seedling Soil working-7 MD, 1 st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2 nd Year S.M.C measures (Renove Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3 rd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 4 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year	Maintenance Opera	tion (2 nd	Year)			
@ Rs 9.45 per seedling Soil working-7 MD, 1st 6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2nd Year S.M.C measures (Renove Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3nd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 4nd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 4nd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5nd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 5nd Year S.M.C measures-21MD plantation - 14 MD Closure to grazing, fire a by engaging watch & wa Total 6nd Year	MD including seedling cost		<u> </u>		-	
6 MD and fertilizer app Cost of fertilizer @ 50 g per kg for 1600 plants = gm per plant for 160 no Rs 64.00 Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renov Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fer Total 3 rd Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 4 th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1. S.M.C measures-21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 6 th Year	and its transportation	June-July	10	2135.00	1512.00	3647.00
per kg for 1600 plants = gm per plant for 160 no Rs 64.00 4 Maintenance of Soil and measures (20% of cost) 5 Fire tracing and control, 6 Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renove Maintenance of plantation Closure to grazing, fire by engaging watch & w Repair of barbed wire fee Total 3 rd Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 4 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fee Total 6 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fee Total 6 th Year	ication-4 MD	October	23	4910.50	0	4910.50
gm per plant for 160 no Rs 64.00 4 Maintenance of Soil and measures (20% of cost) 5 Fire tracing and control, 6 Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renov 2 Maintenance of plantatio 3 Closure to grazing, fire by engaging watch & w 4 Repair of barbed wire fe Total 3 rd Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 4 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1 S.M.C measures-21MD plantation – 14 MD 2 Closure to grazing, fire a by engaging watch & wa 3 Repair of barbed wire fe Total 6 th Year	ms NPK per plant @ Rs 24/- Rs 1920.00 Insecticide @ 5					
Maintenance of Soil and measures (20% of cost) Fire tracing and control, Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renove Maintenance of plantation of barbed wire feed to grazing, fire and the second of the secon	s of plants @ Rs 80 per kg =		0	0	1984.00	1984.00
5 Fire tracing and control, 6 Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renov 2 Maintenance of plantatio 3 Closure to grazing, fire by engaging watch & w 4 Repair of barbed wire fe Total 3 rd Year 1 S.M.C measures- 21MD plantation - 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 4 th Year 1 S.M.C measures- 21MD plantation - 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 1 S.M.C measures- 21MD plantation - 14 MD 2 Closure to grazing, fire a by engaging watch & wa Total 5 th Year 2 S.M.C measures- 21MD plantation - 14 MD 3 Repair of barbed wire fe Total 6 th Year 2 S.M.C measures- 21MD plantation - 14 MD 3 Closure to grazing, fire a by engaging watch & wa B Repair of barbed wire fe Total 6 th Year	Moisture Conservation	August-	26	5551.00	0	5551.00
Closure to grazing, fire by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renove Maintenance of plantation of plantat	and other misc. cost	October Feb-Mar	10	2135.00	0	2135.00
by engaging watch & w Total 2 nd Year 1. S.M.C measures (Renove Maintenance of plantation of plantation of barbed wire fer total 3 rd Year 1. S.M.C measures-21MD plantation of barbed wire fer total 3 rd Year 1. S.M.C measures-21MD plantation of plantation of the plantation o	and other biotic interference	April-	İ			
1. S.M.C measures (Renove Maintenance of plantation Symmetry Wear Symmet		March	30	6405.00	0	6405.00
2 Maintenance of plantation of Closure to grazing, fire a by engaging watch &			99	21136.50	3496.00	24632.50
2 Maintenance of plantation of Closure to grazing, fire a by engaging watch &	Maintenance Opera	tion (3 rd Y	Year)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Closure to grazing, fire a by engaging watch &	ation)	Apr-Mar	26	5551.00	0	5551.00
by engaging watch & w. Repair of barbed wire fe Total 3 rd Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 4 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa by engaging watch & wa		Apr-Mar	14	2989.00	0	2989.00
Repair of barbed wire fell Total 3 rd Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 4 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa B Repair of barbed wire fell Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa B Repair of barbed wire fell Total 6 th Year	and other biotic interference	April- March	30	6405.00	500.00	6905.00
S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 4th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6th Year	nce		42.15	9000.00	0	9000.00
plantation – 14 MD Closure to grazing, fire a by engaging watch & water Total 4th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water Total 5th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water Repair of barbed wire feren total 6th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing, fire a by engaging watch & water to grazing w				23945.00	500.00	24445.00
plantation – 14 MD Closure to grazing, fire a by engaging watch & water Total 4th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & water	Maintenance Opera	tion (4 th V	Joan)	203 (3.00)	500.00	21173.00
by engaging watch & watch and the Year 1 S.M.C measures- 21MD plantation — 14 MD 2 Closure to grazing, fire a by engaging watch & watch and the Year 1 S.M.C measures- 21MD plantation — 14 MD 2 Closure to grazing, fire a by engaging watch & watch and the Year 1 S.M.C measures- 21MD plantation — 14 MD 2 Closure to grazing, fire a by engaging watch & watch and the Year 1 S.M.C measures- 21MD plantation — 14 MD 2 Closure to grazing, fire a by engaging watch & watch and the Year 2 Closure to grazing, fire a by engaging watch & watch and the Year	, and maintenance of	April- March	35	7472.50	0	7472.50
Total 4 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa plantation – 14 MD Closure to grazing, fire a by engaging watch & wa	and other biotic interference	April- March	46	9821.00	500.00	10321.00
plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa by engaging watch & wa by engaging watch & was by engaging watch & was by engaging watch & was			81	17293.50	500.00	17793.50
plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa by engaging watch & wa by engaging watch & was by engaging watch & was by engaging watch & was	Maintenance Opera	tion (5 th X	Zaar)	1,2000	200.00	1///5.50
plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Total 5 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa by engaging watch & wa by engaging watch & was by engaging watch & was by engaging watch & was	and maintenance of		(ear)			21 + 11 × 11 × 11 × 11 × 11 × 11 × 11 ×
by engaging watch & Wa		April- March	35	7472.50	0	7472.50
S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was by engaging watch & was		April- March	46	9821.00	500.00	10321.00
plantation – 14 MD Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was			81	17293.50	500.00	17793.50
plantation – 14 MD Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was	Maintenance Opera	tion (6 th Y	(ear)			
Closure to grazing, fire a by engaging watch & was Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & was		April- March	35	7472.50	0	7472.50
Repair of barbed wire fe Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa	nd other biotic interference	April- March	18	3843.00	500.00	4343.00
Total 6 th Year S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa		Iviareir	42.15	9000.00	0	9000.00
S.M.C measures- 21MD plantation – 14 MD Closure to grazing, fire a by engaging watch & wa	10°			26293.50	500.00	26793.50
plantation – 14 MD Closure to grazing, fire a by engaging watch & wa	Maintenance Opera	tion (7th x	700m)	20275.50	300.00	20/93.30
plantation – 14 MD Closure to grazing, fire a by engaging watch & wa	and maintenance of		. cai j			***************************************
by engaging watch & wa		April- March	35	7472.50	0	7472.50
Total 7th Year	nd other biotic interference	April- March	46	9821.00	500.00	10321.00
			81	17293.50	500.00	17793.50
	Maintenance Operat	ion (8 th V	ear)			
S.M.C measures- 21MD, plantation – 14 MD	and maintenance of	April- March	35	7472.50	0	7472.50
Closure to grazing, fire a by engaging watch & wa	nd other hiotic interformes	April- March	46	9821.00	500.00	10321.00

	Total 8th Year	*****	81	17293.50	500.00	17793.50
	Maintenance Opera	tion (9 th	Year)			1 , , , , , , , ,
1	S.M.C measures- 21MD, and maintenance of plantation – 14 MD	April- March	35	7472.50	0	7472.50
2	Closure to grazing, fire and other biotic interference by engaging watch & ward	April- March	46	9821.00	500.00	10321.00
3	Repair of barbed wire fence		42.15	9000.00	0	9000.00
	Total 9th Year		123.15	26293.50	500.00	26793.50
_	Maintenance Operat	ion (10 th		,		1 - 0 / 2 - 0 0
1	S.M.C measures- 21MD, and maintenance of plantation – 14 MD	April- March	35	7472.50	0	7472.50
2	Closure to grazing, fire and other biotic interference by engaging watch & ward	April- March	46	9821.00	500.00	10321.00
	Total 10th Year		81	17293.50	500.00	17793.50

ABSTRACT

Sl	Year	Mandays	Labour cost (Rs.)	Material cost (Rs.)	Total (Rs.)
1	0 th year	325	69387.50	5432.00	74819.50
2	1 st year	238.5	50919.75	14833.00	65752.75
3	2 nd year	99	21136.50	3496.00	24632.50
4	3 rd year	112.15	23945.00	500.00	24445.00
5	4 th year	81	17293.50	500.00	17793.50
6	5 th year	81	17293.50	500.00	17793.50
7	6 th year	123.15	26293.50	500.00	26793.50
8	7 th year	81	17293.50	500.00	17793.50
9	8 th year	81	17293.50	500.00	17793.50
10	9 th year	123.15	26293.50	500.00	26793.50
11	10 th year	81	17293.50	500.00	17793.50
Gra	nd Total	1425.95	304443.25	27761.00	332204.25

ESTIMATE FOR BARBED WIRE FENCE

	ESTIMATE FO	R BARE	BED W	IRE	FEI	VCE 2.5 mtr	intervale	
strai	nds (5 straight + 2 cross strands) of 2 ply	barbed wire	on RCC	posts f	ixed at	2.3 mu	IIII vais.	
Γwo f	fencing posts extra, used as struts at each	corner poin	t		-			
Numb	per of fence posts required per kilometer	500 nos.]					
Gence	post size 2 mtr long; 10cm x 10cm top;	15cm x 15c	m bottom					
Minir	num wage rate Rs. 213.50 per day for u	nskilled labo	ourer					
	Lead Star	tement & co	st of mate	erials				
S1.	Item	Unit	Basic	Lead	1		Royalty	Total
No				in Kn		rge	98.79	price 956.19
1	4cm hand broken granite metal	Cum	609.00		ļ	48.40	98.79	1281.19
2	12mm H.G hand broken chips	Cum	934.00			48.40	27.44	426.84
3	Screened & washed sand	Cum	59.00			40.40	0.00	4076.80
4	M.S rod	Ant.	4000.00			76.80		727.80
5	Cement	Qntl.	.651.00			76.80	0.00	66.76
6	Barbed wire	Kg	66.00	90		0.76	0.00	00.70
		Analysis o	f rate					
SI.	Item				Qnty.	Unit	Rate	Amount
No.	Cement concrete (1:4:8) with 4 cm H	G metal						
1	Materials		-					
a	Hand broken granite stone 4 cm size	0.96	Cum	956.19	917.94			
	Hand broken grante stone 4 cm size	0.48	Cum	426.84	204.88			
	Sand (Screened & washed)					Qntl.	727.80	1251.82
	Cement							2374.64
b	Labour				0.18	Each	253.50	45.63
	Mason second class				1.80	Each	213.50	384.30
	Man mulia				1.40	Each	213.50	298.90
	Women mulia					Each	213.50	149.45
	Man mulia for mixing stone, sand and	cement and	water		0.70	Each	213.30	878.28
						-		243.97
С	Overhead charges 7.5% of (a+b)				-			3496.89
	Total cost per	r cum			<u> </u>		or cum	5 17 0.07
2		H,G chips in	icluding f	ioistin	g anu i	ayıng p	Ci Cum.	
a					0.96	Cum	1281.19	1229.94
	Hand broken granite stone 12 cm size				0.45		ļ	
	Sand (Screened & washed)				3.23			
	Cement				7.23	Qii.i.		3772.8
<u>b</u>	Labour				0.68		252.55	172.3
-	Mason second class							
-	Man mulia					Each		<u> </u>
	Women mulia					Each Each		ļ ·
	Man mulia for mixing stone, sand and cement and water						<u> </u>	
	Mason second class				0.50	J Each	233,30	1261.2
					_			377.5
	Overhead charges 7.5% of (a+b)						-	5411.5
	Total cost pe	er cum			1		<u> </u>	

3	Labour for M.S reinforcement for R.C.C work including cutti and placing in position, including cost of binding wire (per 1 Q		ding	and	tying t	he grills
	Blacksmith (Special)		.00	Each	273.:	50 273.50
	Semiskilled mulia	1	.00	Each	233.:	50 233.50
	30% sundries, binding wires and T&P etc.					152.10
	Total charges per quintal					659.10
	Estimated cost per fence post of 2 mtr long, 15 cm x 15cm bott RCC (1:2:4) with 12mm H.G chips	om and	10	cm x	10 cm 1	top in
	Cost for concrete 2.0 mtr x 0.01625 sq. mtr =	0.0325	Cı	ım	5411.5	9 175.8
	Cost of 8 mm rod (4 x 2 mtr) + 6mm rod 0.6 mtr for rings =	3.25	K	g	40.7	7 132.5
	Labour for cutting, bending, binding & laying in position of rods including cost of binding wire	3.15	K	g	6.5	9 20.76
	Cost of staples for holding barbed wire		, i			20.00
						349.14
	Estimated cost for fixing each fence post with C.C (1:4:8) cm	netal				
1	Cost of concrete (45cm x 45 cm) + 45cm) - (15cm x 15cm x 15cm)	0.081	Cui	n 3	496.89	283.2

	Estimated per Kilometre of Barbed wire Fencing					
SI No	Work	Qnty.	U	nit	Rate	Amount
1	Cost of fence post RCC (1:2:4) with 12mm H.G chips 2 mtr long 15cm x 15cm bottom and 10cm x 10cm top	500.00	Eε	ich .	349.14	174570.00
2	Digging of pits for fixing of fence posts	500.00	Eε	ıch	20.00	10000.0
3	Fixing of fence post with C.C (1:4:8) with 4 cm H.G metal	500.00	Ea	ich :	283.25	141625.0
4	Cost of 2 ply barbed wire 7 strands x 1000 mtr= 7000 mtr @ 8 mtr per kg	875.00	K	g	66.76	58415.0
5	Labour for fixing barbed wire fencing and post by means of staples and straining hooks	7000	N	[tr	6.00	42000.0
6	Average expenditure needs for extra lead for transporting RCC fence posts in hill slopes manually 0.5 man-day per pillar	500.00	Ea	ıch	100.00	50000.00
	Total expenditure for 1 km of barbed wire fence	e				476610.0

TOTAL COST OF THE COMPENSATORY AFFORESTATION SCHEME

Sl. No.	Item of Work	Total Estimated cost in Rs.
1	Barbed wire fence around plantation site Rs 476610/- X 0.585 km	278816.85
2	Bald Hill plantation over 6.760 ha. X Rs 332204.25	2245700.73
	Total	2524517.58
	Cost of Escalation in future 20%	504903.52
	Grand Total	3029421.10 or
		say
		Rs.30,29,500.00

(Rupees Thirty lakh Twenty-nine thousand Five hundred only)

Divisional Forest Officer, Kalahandi South Division. Divisional Forest Officer Kalahandi South Division

