



OFFICE OF THE DIVISIONAL FOREST OFFICER KALAHANDI SOUTH DIVISION

At/Po-Parmanandapur, Bhawanipatna, Ward No. 4, Rly Station Road Dist-Kalahandi, Odisha, Pin code-766002
Phone & Tele Fax No.-06670-230268 (O) Phone No.06670-230479 (R) (E Mail ID:- dfokids6@gmail.com)

Memo No: 3651 /3F (Lease) /2025.
Dated, Bhawanipatna the 09th June 2025.

To,

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

Sub:-

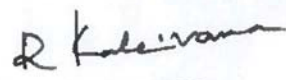
Submission of revised scheme for Compensatory Afforestation to be carried out over 24.203 Ha. in village Sepaskhanda of Th.Rampur Tahasil in Kalahandi District in lieu of forest land to be diverted for Mining Iron Ore from Rengalbada (NE) Iron Ore Block of M/s Odisha Mineral Exploration Corporation Ltd, located in Keonjhar District.

With reference to the above cited subject and correspondences, the revised site specific Compensatory Afforestation Scheme over 24.203 ha. of forest land identified in village Sepaskhanda under Thuamul Rampur Tahasil, Kalahandi District in lieu of the forest land proposed to be diverted for Mining Iron Ore from Rengalbada (NE) Iron Ore Block of M/s Odisha Mining Corporation Ltd, in Keonjhar District is enclosed here with in triplicate along with maps etc. for favour of your kind information & necessary action.

Encl:- As above.

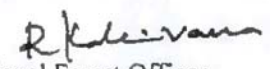
Memo No: 3652 /3F-Lease Date: 09/06/25 /

Copy forwarded to the Principal Chief Conservator of Forests, (FD & NO) FC Act., O/o: the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer
Kalahandi South Division

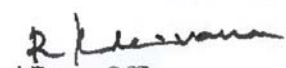
Memo No: 3653 /3F-Lease Date: 09/06/25 /

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


Divisional Forest Officer
Kalahandi South Division

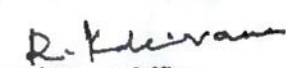
Memo No: 3654 /3F-Lease Date: 09/06/25 /

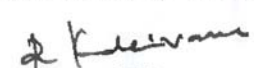
Copy forwarded to the Divisional Forest Officer, Keonjhar Division, Keonjhar for favour of his kind information and necessary action.


Divisional Forest Officer
Kalahandi South Division

Memo No: 3655 /3F-Lease Date: 09/06/25 /

Copy forwarded to the General Manager (F&E), Odisha Mining Corporation Ltd, Bhubaneswar for information and necessary action with reference to his letter No..7532/OMC/F&E/2025 dt.09.05.2025.


Divisional Forest Officer
Kalahandi South Division


Divisional Forest Officer
Kalahandi South Division

REVISED SCHEME FOR
SITE SPECIFIC COMPENSATORY
AFFORESTATION

(AR Plantation @ 1000 plants/ha)

OVER

24.203 HA OF NON-FOREST GOVT. LAND
ALLOTTED IN VILLAGE

SEPASKHANDA

UNDER THUAMUL RAMPUR TAHASIL

OF

KALAHANDI DISTRICT

AGAINST

RENGALBEDA (NE) IRON ORE BLOCK

OF

M/s ODISHA MINING CORPORATION LTD.

(A Govt. of Odisha Undertaking)

OMC HOUSE, POST BOX-34, BHUBANESWAR-1

(ON ONE TIME COST NORM BASIS)

Detailed revised scheme for Compensatory Afforestation to be carried out over 24.203 ha in village Sepaskhanda under Thuamul Rampur Tahasil of Kalahandi District in lieu of forest land proposed to be diverted for Mining of Iron Ore from Rengalbada (NE) Block of M/s Odisha Mining Corporation Ltd. in Keonjhar District of Odisha.

The Department of Steel & Mines has granted letter of intent (LOI) in favour of M/s Odisha Mineral Exploration Corporation Ltd. (OMECL) vide letter no. 2215/SM dt 26.02.2021 for production of Iron Ore from Rengalbada (NE) Iron Ore Block in Keonjhar District of Odisha. In order to operate the mines, OMECL has applied for diversion of 24.203 ha of forest land. OMECL has requested Collector, Kalahandi for allotment of 24.203 ha on non-forest Govt. land to raise compensatory afforestation in lieu of the total forest land included within the ML.

Collector, Kalahandi has allotted 24.203 ha of non-forest Govt. land in Sepaskhanda village under Thuamul Rampur Tahasil of Kalahandi District vide letter No. 1584/Rev dt. 07.05.2021. The allotment order by Collector, Kalahandi is enclosed as **Annexure-A**.

Meanwhile, OMECL was decided to be merged with OMC Ltd vide order of State Govt. issued on dt 06.09.2022 and the process of merger was completed vide Ministry of Corporate Affairs order dt 03.05.2023. As per Clause No.36 (i) of the final order by Ministry of Corporate Affairs, New Delhi all assets of OMECL including the Lol dt 26.02.2021 for grant of Rengalbada (NE) mining lease stands transferred to OMC Ltd with effect from dt 03.05.2023 (**Annexure-B**). So, the proposal is being submitted by OMC Ltd.

The area has been scanned through decision support system and it is observed that the area over 24.203 ha is coming under non-forest Category. As per the Consolidated guidelines and clarifications issued under VAN (SANRAKSHAN EVAM SAMVARDHAN) ADHINIYAM, 1980 and VAN (SANRAKSHAN EVAM SAMVARDHAN) RULES, 2023 the plantation will be taken up AR Plantation @ 1000 Plant per Ha. In this context base cost norm for compensatory afforestation (AR Plantation) @ 1000 plants per hectare (18-month-old seedlings) has been considered for plantation over 24.203 ha

Soil & moisture conservation activities have been provided separately as per the approved cost Norm by PCCF, Odisha has issued one-time Cost Norm for Compensatory Afforestation. So, CA Scheme has been prepared as per Guideline of PCCF(Nodal) vide letter dated 08.11.2021 at the one-time cost norm.

The salient components of the scheme over 24.203 ha is given as under:

Name of the village	Type of Plantation	Area in ha	No. of seedlings per ha to be planted	Total no. of seedlings to be planted
Sepaskhanda	AR	24.203	1000	24,203

Total 24203 seedlings will be planted over 24.203 ha or 1000 seedlings per ha will be planted against minimum 1000 seedlings per hectare as per guideline of MoEF & CC.

The Site specific scheme is therefore prepared as follows:

1. Details of non-forest land:-

District: Kalahandi; Tahasil: Thuamul Rampur; Village: Sepaskhanda

Tahasil	Village	Khata No	Kissam	Plot No	Total area of the plot (Acres)	Area considered (Acres)
Thuamul Rampur	Sepaskhanda	31 (AAA)	Danger	105	9.44	8.534
			Danger	132	22.15	19.653
			Danger	133	9.550	9.550
			Danger	134	10.000	10.00
			Danger	135	20.58	8.670
			Danger	136	3.40	3.400
		Total area considered for Compensatory Afforestation: 59.807 Ac. or 24.203 Ha.				

The copy of the Topo Sheet, Cadastral Maps and DGPS maps duly authenticated by Forest, Revenue and ORSAC are enclosed herewith. The details are as follows:

Sl. No.	Description of the maps	Plate Nos.
1	Copy of the Topo Sheet on 1:50,000 scale showing CA land in village Sepaskhanda.	I
2	Copy of the Cadastral Map on 1:3960 Scale showing 24.203 ha for CA land in village Sepaskhanda.	II
3	Copy of the DGPS map on 1:3960 Scale over 24.203 ha in village Sepaskhanda vetted by ORSAC.	III

Jointly verified non-forest land by Forest and Revenue authorities is enclosed as **Annexure-(C)** and 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:** C.A site in Sepaskhanda village is at a distance of 0.7 km from Mohangiri 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.

VII. Suitability of the land for compensatory afforestation: The following are observed by the verification team:

"The non-forest Govt. land is free from encroachment and encumbrances and occurs in compact block/s and close proximity of forest area. Each land parcel is more than 10 ha and suitable for raising plantation in AR mode (1000 plants/ha) with slope less than 30 degree and suitable for management and protection point of view. No plantation in this land has been carried out in any scheme previously. It is not covered under Section 4 (1) notification and D.L.C reported forest and FR Settlement. The lands are not allotted to any agency previously and can be given for CA against this project of OMC. The land records are available as on 25.10.1980."

3. Plantation Model:

AR plantation with 1000 plants per hectare will be raised over 24.203 ha. Maintenance of plantation for 10 years is also required as per the guidelines by MoEF & CC vide F. No. 11-168/2009-FC Date 14.02.2012. Cost norm for AR plantation is furnished as **Annexure-(E)**.

4. 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 chain link mesh fencing with Angle Iron, the cost for which will be paid by the User Agency. Chain link mesh fencing will be done around the entire patch, the length of chain link mesh fence needed in this project is furnished below.

Sl. No	Village	Length of outer periphery of the site in mtr	Length of enclosures if required to be fenced	Length of common fence of adjoining project which need not be fenced	Total length of fence in mtr (3+4+5)
1	2	3	4	5	6
1	Sepaskhanda	4037.03	Nil	Nil	4037.03
	Total	4037.03	0	0	4037.03

Estimate for chain link mesh fencing has been provided in **Annexure – (F)**.

Planting and post-planting:

AR Plantation shall be taken up with 1000 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. Size of pits will be 45 cm X 45 cm X 45 cm for AR Plantation. 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 AR plantation is furnished as **Annexure-(E)**.

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

- Care to be taken to raise healthy plantable 18 months old seedling of minimum 90 to 120 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 Chlorpyrifos 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 chain link wire fence, watch & ward will be easier and the watchers may be engaged in weeding in problematic areas along with watch & ward.

b) 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 bearing 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.

Species suitable for moist and well-drained soil

<i>Scientific name</i>	<i>Common name</i>
<i>Azadirachta indica</i>	Neem
<i>Adina cardifolia</i>	Haidu
<i>Pterocarpus marsupium</i>	Bija
<i>Terminalia elliptica</i>	Saa/Asan
<i>Terminalia bellerica</i>	Baheda
<i>Terminalia chebula</i>	Hareda
<i>Terminalia arjuna</i>	Arjun
<i>Anogeissus latifolia</i>	Dhauda
<i>Schleichera oleosa</i>	Kusum
<i>Ailanthus excelsa</i>	Mahalo
<i>Lannea coromandelica</i>	Moi
<i>Dalbergia latifolia</i>	Pahadi sisu
<i>Dalbergia sissoo</i>	Sisu
<i>Pterocarpus santalinus</i>	Rakta Chandan
<i>Tamarindus indica</i>	Tentuli
<i>Gmelina arborea</i>	Gambari
<i>Boswellia serrata</i>	Salai
<i>Albizia lebbek</i>	Black siris
<i>Albizia procera</i>	White siris
<i>Xylia xylocarpa</i>	Kangara
<i>Acacia catechu</i>	Kair
<i>Ziziphus mauritiana</i>	Ber
<i>Aegle marmelos</i>	Bael
<i>Ficus bengalensis</i>	Banyan
<i>Ficus religiosa</i>	Pipal
<i>Bombax ceiba</i>	Safad simli
<i>Cassia fistula</i>	Sunari
<i>Mangifera indica</i>	Mango
<i>Syzygium cumini</i>	Jamun
<i>Desmodium oogeinensis</i>	Bandhan
<i>Butea monosperma</i>	Palash
<i>Dillenia indica</i>	Aou
<i>Dillenia pentagyna</i>	Rai
<i>Buchanania lanzan</i>	Chara

Species suitable for Hardy/ laterite/degraded soil

<i>Scientific name</i>	<i>Common name</i>
<i>Azadirachta indica</i>	Neem
<i>Tamarindus indica</i>	Tentuli
<i>Ziziphus mauritiana</i>	Ber
<i>Acacia catechu</i>	Kair
<i>Wrightia tinctoria</i>	Doodhi
<i>Ailanthus excelsa</i>	Mahalo
<i>Anogeissus latifolia</i>	Dauda

Species suitable for dry slopes with very little topsoil

<i>Scientific name</i>	<i>Common name</i>
<i>Sterculia urens</i>	Genduli
<i>Boswellia serrata</i>	Salai
<i>Ehretia laevis</i>	Chamrod
<i>Lannea coromandelica</i>	Moi
<i>Wrightia tinctoria</i>	Doodhi
<i>Anogeissus latifolia</i>	Dauda

c) Soil and Moisture Conservation Works :-

Since most of the areas are hilly and undulating, soil conservation measure structures like staggered trench, percolation pit, contour trench, graded earthen bund, LBCD, wire mesh, Sub surface Dyke and Water Harvesting structures will be constructed . The cost norm of SMC measures is furnished as **Annexure-(G)**.

d) Protection of the plantation: Chain link mesh fence will be provided all along the periphery of the plantation. Few watchers will also be engaged for protection of the plantation. The cost norm of Chain link mesh fence is furnished as **Annexure-(F)**.

- 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. 1,94,16,100.00 (Rupees One crore ninety four lakh sixteen thousand one hundred) only** as detailed in **Annexure-(H)** which shall be payable by the user agency as per demand of the D.F.O, Kalahandi South Division.


Divisional Forest Officer
Kalahandi South Division

Annexure-A

OFFICE OF THE COLLECTOR AND DISTRICT MAGISTRATE, KALAHANDI

Letter No. 1584 /Rev. Date: 07/05/21

To

The Divisional Forest Officer
(South Division), Kalahandi.

Sub:- Allotment of Govt. land for Compensatory Afforestation.

Ref:- Your Letter No 2387/3F(Lease)/2021 Dt:06.05.2021.

Sir,

I am to say that the enclosed schedules of non-forest Government land measuring Ac 59.807 equivalent to 24.203 Ha. at village Sepaskhanda under Th Rampur Tahasil has been identified and joint verification completed for allocation of non-forest Government land in lieu of diversion of forest land pertaining to Rengalbeda (NE) Iron Ore Mining Lease located in the district of Keonjhar of Odisha Mineral Exploration Corporation Ltd.

You are therefore requested to please file necessary requisition in Form No.1-A before the Tahasildar, Th Rampur for processing alienation proposal for sanction of the land in favour of Forest and Environment Department immediately.

Yours faithfully,

Encl:- As above.


Addl. District Magistrate,
Kalahandi.

Memo No. 1585 /Rev. Date: 07/05/21

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

Copy to the Sub-Collector, Bhanuapattana for information and necessary action.


Addl. District Magistrate,
Kalahandi.

Memo No. 1586 /Rev. Date: 07/05/21

Copy to the Managing Director (Geology), OMECL, Bhubaneswar for information and necessary action.


Addl. District Magistrate,
Kalahandi.



OFFICE OF THE DIVISIONAL FOREST OFFICER KALAHANDI SOUTH DIVISION

At/Po- Barmanandapur, Bhawanipatna, Ward No. 4, Ry. Station Road Dist-Kalahandi, Odisha, Pin code-766002
Phone & Tele Fax No. 06670 230268 (Q) Phone No. 06670-230479 (R) (E-Mail ID: dfoklass@gmail.com)

No. _____ / 3F (Lease) _____ / 2021

Dated: Bhawanipatna the _____ May, 2021

To

The Collector,
Kalahandi.

Sub:-

Submission of Joint Verification Report over 59.807 Acre or 24.203 ha. of non forest Govt. land in village- Sepaskhanda under Th. Rampur Tahasil for raising of Compensatory Afforestation.

Ref:-

Your office Letter No.191/Rev. dt.19.01.2021 and Memo No.495/Rev. dt.09.04.2021 of the Tahasildar, Thuamul Rampur to your address.

Sir,

In inviting a kind reference to the above cited Memo on the captioned subject, this is to inform you that, the Tahasildar, Thuamul Rampur vide his letter No. 494/Rev. dt.09.04.2021 has submitted the Joint Verification Report over an area of 59.807 Acre equivalent to 24.203 ha. of non-forest Government land in village Sepaskhanda under Thuamul Rampur Tahasil and the copy of the Joint Verification Report along with the Site Suitability Certificate & Map duly signed by all concerned are enclosed herewith for your kind information.

Further, I would request you to kindly allocate the said identified suitable non-forest Government land over an area of 59.807 Acre equivalent to 24.203 ha. in village Sepaskhanda under Thuamul Rampur Tahasil in favour of the undersigned for taking up Compensatory Afforestation in lieu of the forest land proposed for diversion pertaining to Kengalbeda (NE) Iron Ore Mining Lease located in district Keonjhar of Odisha Mineral Exploration Corporation Ltd.

Yours faithfully,

Encl:- As above.

[Signature]
Divisional Forest Officer
Kalahandi South Division

Memo No: _____ / 3F-Lease Date: _____

Copy forwarded to the Sub-Collector, Bhawanipatna for information and necessary action with reference to Memo No. 193/Rev. dt.19.01.2021 of the Collector, Kalahandi to his address.

[Signature]
Divisional Forest Officer
Kalahandi South Division

Memo No: 2389 / 3F-Lease Date: 06/05/2021

Copy forwarded to the Director (Geology), OMECL, Bhubaneswar for his information with reference to his Memo No. 193/Rev. dt.19.01.2021 of the Collector, Kalahandi to his address.

[Signature]
Divisional Forest Officer
Kalahandi South Division

JOINT VERIFICATION REPORT OF NON-FOREST GOVERNMENT LAND IN VILLAGE SEPASKHANDA UNDER TH.RAMPUR TAHASIL OF KALAHANDI DISTRICT FOR RAISING COMPENSATORY AFFORESTATION (BALD HILL PLANTATION) IN LIEU OF THE FOREST LAND PROPOSED FOR DIVERSION PERTAINING TO RENGALBEDA (NE) IRON ORE ML OF M/s. ODISHA MINERAL EXPLORATION CORPORATION LIMITED (OMECL) LOCATED IN THE DISTRICT OF KEONJHAR, ODISHA.

Certified that on joint verification of Non forest government land (Kissam – Dangar) in village Sepaskhanda of Thuamul Rampur Tahasil of Kalahandi District, it is found that the scheduled wise land mentioned as given under is suitable for Bald Hill Block plantation and are free from encroachment and encumbrances, does not comes under DLC land and FR Settlement.

Name of the Project	Name of the Village	Khata No.	Plot No.	Total area of the plot (Acres)	Area considered in (Acres)	Kissam	Type of Plantation in Hectares
Rengalbeda (NE) Iron Ore ML	Sepaskhanda	31 (A.A.A)	105	9.44	8.534	Dangar	Bald Hill Plantation 1600 Plants /HA
			132	22.15	19.653		
			133	9.55	9.55		
			134	10.00	10.00		
			135	20.58	8.67		
			136	3.40	3.40		
TOTAL :-					59.807 Acres or 24.203 Ha.		

Revenue Inspector
Nakarundi
Revenue Inspector
Nakarundi

Forester
Saisurni Section
Section Forester
Saisurni Section

Range Officer
Th.Rampur (N) Range
Range Officer
Th. Rampur (N) Range

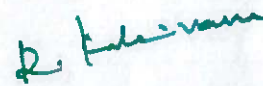
Tahasildar
Thumal Rampur
Tahasildar
Thumal Rampur

As per the Consolidated Guidelines and clarifications issued under VAN (SANRAKSHAN EVAM SAMVARDHAN) ADHINIYAM, 1980 and VAN (SANRAKSHAN EVAM SAMVARDHAN) RULES, 2023 the plantation will be taken up AR Plantation @1000 Plant per Ha.

Divisional Forest Officer
Kalahandi South Division

SITE SUITABILITY CERTIFICATE

This is to certify that, as per the Consolidated guidelines and clarifications issued under VAN (SANRAKSHAN EVAM SAMVARDHAN) ADHINIYAM, 1980 and VAN (SANRAKSHAN EVAM SAMVARDHAN) RULES, 2023 the non-forest Government land over an area of 24.203 ha. identified in village Sepaskhanda under Th.Rampur North Range under Kalahandi South Forest Division is found suitable for AR Plantation @ 1000 plants/ Ha. for raising Compensatory Afforestation against Rengalbeda (NE) Iron Ore Block of M/s Odisha Mining Corporation Ltd.



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

ANNEXURE-(D)

CO-ORDINATES OF BOUNDARY PILLARS & DESCRIPTION						
POINTS		GEOGRAPHIC CO-ORDINATES		BEARING		DISTANCE IN METERS
FROM	TO	LONGITUDE	LATITUDE	FORWARD	BACKWARD	
1	2	83°09'55.60"	19°32'16.06"	90°18'59"	270°18'59"	50.77
2	3	83°09'57.34"	19°32'16.03"	145°51'50"	325°51'50"	79.97
3	4	83°09'58.85"	19°32'13.86"	142°51'13"	322°51'13"	34.83
4	5	83°09'59.56"	19°32'12.95"	69°14'14"	249°14'14"	54.59
5	6	83°10'01.31"	19°32'13.56"	62°25'40"	242°25'40"	64.23
6	7	83°10'03.28"	19°32'14.50"	317°59'40"	137°59'40"	64.54
7	8	83°10'01.82"	19°32'16.08"	228°20'31"	48°20'31"	54.43
8	9	83°10'00.41"	19°32'14.92"	321°16'35"	141°16'35"	117.91
9	10	83°09'57.92"	19°32'17.94"	340°12'04"	160°12'04"	52.16
10	11	83°09'57.34"	19°32'19.54"	66°18'45"	246°18'45"	47.47
11	12	83°09'58.83"	19°32'20.14"	90°00'01"	270°00'01"	25.24
12	13	83°09'59.70"	19°32'20.13"	117°11'53"	297°11'53"	45.41
13	14	83°10'01.08"	19°32'19.44"	94°34'28"	274°34'28"	14.07
14	15	83°10'01.56"	19°32'19.40"	116°15'30"	296°15'30"	82.18
15	16	83°10'04.07"	19°32'18.19"	117°31'19"	297°31'19"	86.41
16	17	83°10'06.68"	19°32'16.86"	111°48'04"	291°48'04"	24.17
17	18	83°10'07.44"	19°32'16.56"	172°59'02"	352°59'02"	18.37
18	19	83°10'07.51"	19°32'15.96"	196°55'38"	16°55'38"	13.49
19	20	83°10'07.37"	19°32'15.54"	249°27'28"	69°27'28"	28.7
20	21	83°10'06.45"	19°32'15.23"	239°37'25"	59°37'25"	52.84
21	22	83°10'04.87"	19°32'14.38"	211°50'32"	31°50'32"	23.26
22	23	83°10'04.44"	19°32'13.74"	228°42'45"	48°42'45"	26.08
23	24	83°10'03.76"	19°32'13.19"	168°41'24"	348°41'24"	12.87
24	25	83°10'03.84"	19°32'12.78"	256°12'31"	76°12'31"	100.87
25	26	83°10'00.47"	19°32'12.04"	207°08'08"	27°08'08"	34.67
26	27	83°09'59.92"	19°32'11.04"	104°52'25"	284°52'25"	59.17
27	28	83°10'01.87"	19°32'10.52"	129°51'01"	309°51'01"	66.51
28	29	83°10'03.61"	19°32'09.12"	99°24'50"	279°24'50"	46.92
29	30	83°10'05.19"	19°32'08.85"	18°30'55"	198°30'55"	42.95
30	31	83°10'05.67"	19°32'10.17"	93°03'31"	273°03'31"	36.79
31	32	83°10'06.93"	19°32'10.09"	8°28'43"	188°28'43"	45.65
32	33	83°10'07.18"	19°32'11.55"	353°25'04"	173°25'04"	51.38
33	34	83°10'07.00"	19°32'13.21"	28°06'58"	208°06'58"	64.87
34	35	83°10'08.08"	19°32'15.06"	35°40'36"	215°40'36"	67.33
35	36	83°10'09.45"	19°32'16.82"	103°29'45"	283°29'45"	28.84
36	37	83°10'10.41"	19°32'16.59"	45°21'53"	225°21'53"	31.14
37	38	83°10'11.18"	19°32'17.30"	110°38'31"	290°38'31"	43.76
38	39	83°10'12.57"	19°32'16.78"	204°08'40"	24°08'40"	8.91
39	40	83°10'12.44"	19°32'16.51"	138°31'56"	318°31'56"	32.19
40	41	83°10'13.17"	19°32'15.72"	211°14'42"	31°14'42"	78.4
41	42	83°10'11.74"	19°32'13.56"	128°22'55"	308°22'55"	36.14
42	43	83°10'12.70"	19°32'12.82"	57°56'17"	237°56'17"	90.35
43	44	83°10'15.35"	19°32'14.34"	134°24'45"	314°24'45"	77.35

44	45	83°10'17.22"	19°32'12.56"	119°32'47"	299°32'47"	60.29
45	46	83°10'19.01"	19°32'11.57"	153°43'07"	333°43'07"	88.41
46	47	83°10'20.31"	19°32'08.98"	147°04'56"	327°04'56"	74.86
47	48	83°10'21.68"	19°32'06.92"	272°58'35"	92°58'35"	14.5
48	49	83°10'21.19"	19°32'06.95"	261°54'36"	81°54'36"	53.94
49	50	83°10'19.35"	19°32'06.73"	320°04'52"	140°04'52"	110.26
50	51	83°10'16.96"	19°32'09.51"	268°59'45"	88°59'45"	115.37
51	52	83°10'13.01"	19°32'09.49"	313°43'37"	133°43'37"	67.37
52	53	83°10'11.36"	19°32'11.02"	267°58'44"	87°58'44"	81
53	54	83°10'08.58"	19°32'10.96"	179°43'11"	359°43'11"	89.75
54	55	83°10'08.56"	19°32'08.04"	179°43'11"	359°43'11"	117.9
55	56	83°10'08.52"	19°32'04.21"	178°30'10"	358°30'10"	81.01
56	57	83°10'08.56"	19°32'01.58"	230°36'42"	50°36'42"	217.01
57	58	83°10'02.75"	19°31'57.17"	234°57'03"	54°57'03"	45.91
58	59	83°10'01.45"	19°31'56.33"	232°35'41"	52°35'41"	18.01
59	60	83°10'00.96"	19°31'55.98"	329°23'37"	149°23'37"	23.14
60	61	83°10'00.56"	19°31'56.63"	329°02'12"	149°02'12"	24.53
61	62	83°10'00.14"	19°31'57.32"	317°10'29"	137°10'29"	62.71
62	63	83°09'58.69"	19°31'58.83"	337°41'38"	157°41'38"	35.47
63	64	83°09'58.25"	19°31'59.90"	335°03'01"	155°03'01"	57.85
64	65	83°09'57.43"	19°32'01.62"	336°44'27"	156°44'27"	104.41
65	66	83°09'56.06"	19°32'04.75"	340°06'28"	160°06'28"	29.96
66	67	83°09'55.72"	19°32'05.67"	340°06'28"	160°06'28"	60.71
67	68	83°09'55.04"	19°32'07.54"	329°07'16"	149°07'16"	65.03
68	69	83°09'53.92"	19°32'09.37"	346°10'17"	166°10'17"	56.32
69	70	83°09'53.48"	19°32'11.15"	22°18'22"	202°18'22"	47.29
70	71	83°09'54.12"	19°32'12.57"	23°07'04"	203°07'04"	52.15
71	1	83°09'54.84"	19°32'14.12"	19°33'07"	199°33'07"	63.69
PERIMETER- 4037.03 Mtr. & AREA -24.203 Ha.						

S. K. Sivan
 Divisional Forest Officer
 Kalahandi South Division

**Core Plantation Base Cost Norm for Compensatory Afforestation
@1000 Seedlings/Ha with 10 Year Maintenance**

Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in ₹)	Material Cost (in ₹)	Total Cost (in ₹)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3732	0	3732
4	Creation of 4.00 mt wide inspection Path	Feb/Mar	1	311	0	311
5	Alignment and stacking of pits	Feb/Mar	1	311	0	311
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	40	12440	0	12440
7	Construction of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
Total			57	17727	3600	21327
1st Year/ Planting Year						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/Jul	7.5	2332.50	5000	7332.50
2	Transportation of 18 months old polythene bag seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & Stacking the seedling @ Rs. 6/- per Seedling. (1100 nos.)	Jul/Aug	0	0	6600	6600
3	Watering polypot seedlings at planting site	Jul/Aug	2	622	0	622
4	Conveyance of polypot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	22.5	6997.50	0	6997.50
5	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 50 kg @ Rs. 30/- per kg = Rs. 1500.00 (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer in two subsequent doses @ Rs. 750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs. 150/- per kg = Rs. 750.00	Jul/Aug	0	0	3000	3000
6	Casualty Replacement @ 10% (100 nos.)	Jul/Aug	2.5	777.5	0	777.5
7	1 st weeding & Manuring	Aug/Sept	12	3732	0	3732
8	2 nd Weeding, Soil working (1mt. diameter around the plants) and Manuring.	Oct/Nov	15	4665	0	4665
9	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path.	Feb/Mar	3	933	0	933
10	Watch & Ward including watering as per requirement	Aug-Mar	12	3732	0	3732
TOTAL			76.50	23791.50	14600.00	38391.50
2nd Year Maintenance						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	600	600
2	Casualty replacement- 10%	Jul	2.5	777.5	0	777.5
3	Cost of Fertilizer & Insecticide A) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 Kg @ Rs. 150/- per kg =	Jul/Aug	0	0	2875	2875

	Rs. 75/-					
	B) Urea/ NPK/ Bio-fertilizer/ Vermi compost/ Mo Khata/ any other fertilizer @ Rs. 2800/-					
4	Weeding (Complete weeding), Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	15	4665	0	4665
5	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
6	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar		0	1000	1000
TOTAL			38.5	11973.5	4475	16448.5
3rd Year Maintenance						
1.	Cost of Fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermi compost/ Mo Khata/ any other fertilizer)	July/Aug	0	0	2800	2800
2.	Weeding (Complete weeding), Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	15	4665	0	4665
3.	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
4.	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
5.	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar	0	0	1000	1000
Total			36.0	11196	3800	14996
4th Year Maintenance						
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 & maintenance of vegetative fencing.	Apr/Mar	18	5598	0	5598
Total			21	6531	0	6531
5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	933.00	0	933.0
3	Watch & Ward	Apr/Mar	18	5598.00	0	5598.0
Total			24	7464	0	7464.0
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr-Mar	18	5598.00	0	5598
Total			21	6531	0	6531
10th Year Maintenance						

1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531

Year wise Abstract of Cost Norm (Showing seedling cost separately)							
Sl. No.	Year	No. of Mandays	Labour Cost (in ₹)	Material Cost (in ₹)	Monitoring Evaluation, Learning, Documentation and Other Contingency (5%) of (4+5)	Cost of Seedlings @ ₹ 50.31 per seedlings	TOTAL COST (in ₹)
1.	0 th Year	57.0	17727.0	3600.0	973.0	0.00	22300.00
2.	1 st Year	76.5	23791.5	14600.0	1918.50	55341.00	95651.00
3.	2 nd Year	38.5	11973.5	4475.0	821.50	5031.00	22301.00
4.	3 rd Year	36.0	11196.0	3800.0	749.00	0.00	15745.00
5.	4 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
6.	5 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
7.	6 th Year	24.0	7464.0	0.0	373.00	0.00	7837.00
8.	7 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
9.	8 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
10.	9 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
11.	10 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
Total		358.0	111338.0	26475.0	6791.0	60372.0	204976.0

R. K. Kishan
 Divisional Forest Officer
 Kalahandi South Division

Matrix for Core Plantation for Compensatory Afforestation @ 1000 Seedlings/Ha with 10 year maintenance

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Yrs)
	Base Norm	22300	95651	22301	15745	6857	6857	7837	6857	6857	6857	6857											
1	2021-22	22300	100434	24585	18226	8335	8751	10502	9648	10131	10637	11169											234718
2	2022-23		23415	105456	25814	19137	8752	9189	11027	10130	10638	11169	11727										246454
3	2023-24			24586	110729	27105	20094	9190	9648	11578	10637	11170	11727	12313									258777
4	2024-25				25815	116265	28460	21099	9650	10130	12157	11169	11729	12313	12929								271716
5	2025-26					27106	122078	29883	22154	10133	10637	12765	11727	12315	12929	13575							285302
6	2026-27						28461	128182	31377	23262	10640	11169	13403	12313	12931	13575	14254						299567
7	2027-28							29884	134591	32946	24425	11172	11727	14073	12929	13578	14254	14967					314546
8	2028-29								31378	141321	34593	25646	11731	12313	14777	13575	14257	14967	15715				330273
9	2029-30									32947	148387	36323	26928	12318	12929	15516	14254	14970	15715	16501			346788
10	2030-31										34594	155806	38139	28274	12934	13575	16292	14967	15719	16501	17326		364127

P. K. Kulkarni

Divisional Forest Officer
Kalahandi South Division

ANNEXURE – (F)

Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (250 Rmt/Ha.)						
Sl. No.	Item of work	Preferable Period of Execution	Man days	Wages	Marital cost	Total Cost (Rs. per Ha)
0 th Year (PPO)						
1	Earth work (Excavation of hole) 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	752.62	0.0	752.6
2	Cement concrete (1:4:8) using 40 mm BHC metal 84 x 0.40m x 0.10m = 1.344 @ 3755.94/cum		0	0	5,047.4	5,047.4
3	Angle Iron pole of size 50mm X 50 mm X 6mm of height 2.40 mt 84 x 2.40 = 201.60 Sqmt. @ 4.50/kg /Sqmt = 907.20 kg @ 69.50 per kg				63,050.0	63,050.0
4	Cement Concrete (1:2:4) for fixing the iron angle pole using 12mm BHG Chips 84 X 0.40m X 0.30m = 4.032 cum @ 5486.77/cum				22,123.0	22,123.0
5	Cost of Chain link mess using 4mm Dia GI wire having gap size 50mm X 50mm 250 Rmt X 2.10mt=525 Sq. mt 2331/ Sqmt =Rs 1,73,775				1,73,775.0	1,73,775.0
6	Double cost painting of Iron angle pole over a cost of primer using good quality enamel paint 84 x 2.10 x 0.20 = 35.28 sqmt. @ Rs.108.80/Sqmt				3,838.0	3,838.0
7	Painting of GI chain link mess. 250 x 2.10 x 2 = 1050/10 = 105 Sqmt. @ 108.80 Sqmt.				11,424.0	11,424.0
8	Transportation of Chain link mess, Iron angle, Straightening & tying of chain link mess etc. @ 2% of the total cost.				5,600.0	5,600.0
	Total		2.42	752.62	2,84,857.4	2,85,610.0
Rate per running mt.: 2,85,610/250 = Rs.1142/Rmt						
1 st Year Maintenance						
1	No Maintenance is required	Sept / Oct	0	0	0	0
2 nd Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
3 rd Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
4 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
5 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
6 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
7 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
8 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs 11	Sept / Oct	0	0	11000	11000
9 th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per	Sept / Oct	0	0	11000	11000

	running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs.11					
10th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000

Abstract					
SL. No	Year	No. person days	Labour cost @ Rs.311/- per days	Material Cost	Total cost (Rs.)
1	0 th year	2.42	752.6	284857.4	285610.0
2	1 st year	0.0	0.0	0.0	0.0
3	2 nd year	0.0	0.0	11000.0	11000.0
4	3 rd year	0.0	0.0	11000.0	11000.0
5	4 th year	0.0	0.0	11000.0	11000.0
6	5 th year	0.0	0.0	11000.0	11000.0
7	6 th year	0.0	0.0	11000.0	11000.0
8	7 th year	0.0	0.0	11000.0	11000.0
9	8 th year	0.0	0.0	11000.0	11000.0
10	9 th year	0.0	0.0	11000.0	11000.0
11	10 th year	0.0	0.0	11000.0	11000.0
	Total	2.42	752.62	383857.4	3,84,610.0

P. K. S. V. S. V.
Divisional Forest Officer,
Kalahandi South Division

Matrix for Fencing Model-F-II (Iron angle with Chain link weir mesh)

In Rupees

Sl No	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost
	Base Norm	285610	0	11000	11000	11000	11000	11000	11000	11000	11000	11000											
1	2021-22	285610	0	12126	12734	13370	14039	14740	15478	16252	17064	17918											419331
2	2022-23		298691	0	12732	13371	14039	14741	15477	16252	17065	17917	18814										440299
3	2023-24			314886	0	11369	14040	14741	15478	16251	17065	17918	18813	19755									462716
4	2024-25				330630	0	14037	14742	15478	16252	17064	17918	18814	19754	20743								485432
5	2025-26					347162	0	14739	15479	16252	17065	17917	18814	19755	20742	21780							509705
6	2026-27						364520	0	15476	16253	17065	17918	18813	19755	20743	21779	22869						535191
7	2027-28							382746	0	16250	17064	17918	18814	19754	20743	21780	22868	24012					561951
8	2028-29								401883	0	17063	17919	18814	19755	20742	21780	22869	24011	25213				590048
9	2029-30									41977	0	17916	18815	19755	20743	21779	22869	24012	25212	26474			619552
10	2030-31										443076	0	18812	19756	20743	21780	22868	24012	25213	26473	27798		650531

P. K. Sharma
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Kalahandi South Division

ANNEXURE-(G)

SMC Works Model-C			
Cost Norms for creation of Compensatory Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost
0th Year (Pre-Planting Operation)			
8.	Nil		0
1st Year			
9.	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS	Apr/Sept	20,215
2nd Year			
10.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
3rd Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
12.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
Total			32,343.0

Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	TOTAL COST (Rs). Considered In the Matrix
1.	0 th Year	0.0	0.0	0.0	0.0
2.	1 st Year	0.0	0.0	20,215.0	20,215.00
3.	2 nd Year	0.0	0.0	3,032.00	3,032.00
4.	3 rd Year	0.0	0.0	3,032.00	3,032.00
5.	4 th Year	0.0	0.0	3,032.00	3,032.00
6.	5 th Year	0.0	0.0	3,032.00	3,032.00
Total		0.00	0.00	32,343.0	32,343.0

R. K. Kulkarni
 Divisional Forest Officer
 Kalahandi South Division
 Kalahandi South Division

Matrix for (SMC)

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	Total Cost
	Base Norm	0	20215	3032	3032	3032	3032										
1	2021-22	0	21226	3342	3510	2685	3870										35633
2	2022-23		0	22287	3509	3686	3869	4064									37415
3	2023-24			0	23401	3684	3870	4062	4267								39284
4	2024-25				0	34571	3868	4064	4265	4480							41248
5	2025-26					0	25800	4061	4267	4478	4704						43310
6	2026-27						0	27090	4264	4480	4702	4939					45475
7	2027-28							0	28445	4477	4704	4937	5186				47749
8	2028-29								0	29867	4701	4939	5184	5445			50136
9	2029-30									0	31360	4636	5186	5443	5717		52642
10	2030-31										0	32928	5183	5445	5715	6003	55274

R. K. Kulkarni
 Divisional Forest Officer
 Kalahandi South Division

ANNEXURE-(G)

SMC Works Model-C			
Cost Norms for creation of Compensatory Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost
0th Year (Pre-Planting Operation)			
8.	Nil		0
1st Year			
9.	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, W.re mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS	Apr/Sept	20,215
2nd Year			
10.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
3rd Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
12.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
Total			32,343.0

Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	TOTAL COST (Rs). Considered in the Matrix
1.	0 th Year	0.0	0.0	0.0	0.0
2.	1 st Year	0.0	0.0	20,215.0	20,215.00
3.	2 nd Year	0.0	0.0	3,032.00	3,032.00
4.	3 rd Year	0.0	0.0	3,032.00	3,032.00
5.	4 th Year	0.0	0.0	3,032.00	3,032.00
6.	5 th Year	0.0	0.0	3,032.00	3,032.00
Total		0.00	0.00	32,343.0	32,343.0


 Divisional Forest Officer
 Kalahandi South Division
 Kalahandi South Division

Matrix for (SMC)

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	Total Cost
	Base Norm	0	20215	3032	3032	3032	3032										
1	2021-22	0	21226	3342	3510	2685	3870										35633
2	2022-23		0	22287	3509	3686	3869	4064									37415
3	2023-24			0	23401	3684	3870	4062	4267								39284
4	2024-25				0	34571	3868	4064	4265	4480							41248
5	2025-26					0	25800	4061	4267	4478	4704						43310
6	2026-27						0	27090	4264	4480	4702	4939					45475
7	2027-28							0	28445	4477	4704	4937	5186				47749
8	2028-29								0	29867	4701	4939	5184	5445			50136
9	2029-30									0	31360	4636	5186	5443	5717		52642
10	2030-31										0	32928	5183	5445	5715	6003	55274

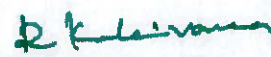
R. Kulkarni

Divisional Forest Officer
Katahandi South Division

TOTAL COST OF THE COMPENSATORY AFFORESTATION SCHEME

Sl. No.	Item of Work	Total Estimated Cost in Rs.
Chain link weir mesh fencing		
1	Chain link weir mesh fence around plantation sites over 4037.03 mtr @ Rs.5,09,705/- per 250 Rmt/Ha So. fencing required over 4037.03 Rmt/250=16.14 Unit Rs 5,09,705 X 16.14 Unit= Rs. 82,26,638.70	82,26,638.70
Sub-total:		82,26,638.70
Plantation		
2	AR plantation @ 1000 plants per ha in Sepaskhanda over 24.203 ha. X Rs. 2,85,302/- = Rs.69,05,164.30	69,05,164.30
Sub-total:		69,05,164.30
Soil Moisture conservation activities		
3	Soil conservation measure structures like staggered trench, percolation pit, contour trench, graded earthen bund, LBCD, wire mesh, LBCD, Sub surface Dyke and Water Harvesting structures as per the Guideline by PCCF, Odisha vide letter dt. 08.11.2021 & vide memo dt. 01.12.2021. = 24.203 ha X Rs.43310/- = Rs.10,48,231.93	10,48,231.93
Sub-total:		10,48,231.93
Total		1,61,80,034.93
Escalation 20%		32,36,006.98
Total		1,94,16,041.91 or 1,94,16,100.00

(Rupees One crore ninety four lakh sixteen thousand one hundred) only


Divisional Forest Officer
Kalahandi South Division

CERTIFICATE ON DSS ANALYSIS FOR CA/ACA/PCA

This is to certify that DSS Analysis of land identified for CA in village Sepaskhanda under Th. Rampur Tahasil and subsequent ground truthing have been done. The outcome is as mentioned below:

Sl. No	Name of Range	Name of the Forest Block (RI/PRI/PE/DPE/Revenue Forest)	Area identified for CA/ACA/PCA (in ha.)	Classification of identified land (in ha.)						Area suitable for plantation (in ha.)				Plantation Model (AR/ANR)	Remark	
				Very Dense Forest	Moderately Dense Forest	Open Forest	Non-Forest	Scrub	Water	Total	Open Forest	Non-Forest	Scrub Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Th. Rampur (North) Range	-	24.203	Nil	Nil	5.027	19.176	Nil	Nil	24.203	5.027	19.176	Nil	24.203	1000 Plantation Ha. (Bald Hill)	

Countersigned

RCCF,
Bhawanipatna Circle
Regional Chief Conservator of Forests,
Bhawanipatna Circle

P. Meade
District Forest Officer
Khatibandhi (S) Forest Division