

Letter No. 16630 /OMC/F&E/2019
 25th October, 2019

To

**The Divisional Forest Officer,
 Keonjhar Forest Division,
 Keonjhar**

Sub.: Diversion of 7.518 ha of Forest land for use as road for transportation of Iron Ore from Gandhamardan-A mining lease of M/s OMC Ltd.

Ref.: Letter no. 7909/6F-Mining-45/2019 dt. 19.08.2019 by DFO, Keonjhar.

Sir

The point-wise compliance to the discrepancies observed by DFO, Keonjhar vide letter under reference pertaining to Gandhamardan-A Road proposal is given as under:

| Sl. No. | Observation raised | Compliance |
|---|--|--|
| Undertakings/ Certificates to be furnished | | |
| 1. | Certificate towards payment of NPV for the forest land involved in the project. | An undertaking by OMC to this effect has been furnished at Sl No. 1 of the Annexure- UT. |
| 2. | Certificate under FRA, 2006 in respect of the forest land proposed for diversion. | Collector, Keonjhar vide letter no. 12425/OMC/F&E/19 dt. 03.08.2019 has been requested to provide a certificate under FRA, 2006. The copy of the letter is enclosed as Annexure-I. |
| 3. | Certificate as regards status of land (both Forest & non-forest) as on 25.10.1980 | The total land involved in the proposal of forest category. The land schedule authenticated by Tahasildar, Banspal is enclosed as Annexure-II. |
| 4. | Prior recommendation of National Board of Wildlife and prior leave of the Supreme Court of India if the activity is to be taken up in National Park/ Sanctuary or parts thereof. | The proposed forest land is not coming within any National Park/Sanctuary or parts thereof. Therefore recommendation of National Board of Wildlife and prior leave of the Supreme Court may not be required. |
| 5. | Certificate as regards the fact that in case approval under the Act for diversion of the | OMC has submitted an undertaking at Sl. No. 2 of the Annexure- UT that incase |

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 : U13100OR1956SGC000313

| | | |
|---|--|---|
| | forest land is declined, it is technically feasible to execute the project along an alternate alignment without involving diversion of forest land. | approval under the Act for diversion of the forest land is declined, it is not technically feasible to execute the project along an alternate alignment where forest land is involved. |
| 6. | Undertaking as regards the instant proposal is processed in their entirety covering all Divisions/ Districts/ States. | The proposed forest diversion proposal is coming within Keonjhar Forest Division in Keonjhar District of Odisha State. Hence the present Diversion proposal is processed through Keonjhar Forest Division. OMC also submitted an undertaking at Sl. No. 3 of Annexure-UT that the instant proposal is processed in their entirety covering all Divisions/ Districts/ States. |
| 7. | Certificate as regards non-availability of alternative suitable non-forest land for the proposed alignment and the same is the best location and barest minimum extent of forest land for the project. | This is to certify that there is no non-forest land available for the proposed alignment and the same is the best location and barest minimum extent of forest land for the project, out of two other alternatives examined. |
| 8. | Pending Court Matters, if any, as regards the proposed diversion proposal. | No Court Matter is pending for the proposed diversion proposal. |
| Authenticated Maps and documents to be furnished | | |
| 1 | Detailed route map of the road alignment on SOI Topo Sheet (1:50000) showing forest land required for diversion in its entirety. | Topo sheet No. F45N6 showing the proposed forest land duly authenticated by Forest and Revenue Official has been submitted with Diversion Proposal as Plate No. I. |
| 2 | Superimposed route map on forest cover map showing RF/National Park/ PRF/ Sanctuary/ PF etc. with mention of category of forest (Natural Forest/ Plantation), Density (Open/Moderately dense/ dense) and species in the map. | Route map superimposed on forest cover map showing the category forest has been submitted with the Forest Diversion proposal as Plate No. III. |
| 3 | Authenticated map attested by the concerned Forest Authorities. | The proposed forest land showing on the topo sheet, the DGPS surveyed map and |

| | | |
|---|---|---|
| | | Proposed land use plan duly authenticated by Forest and Revenue Official have been submitted with Diversion Proposal as Plate No. I, II and III respectively. |
| 4 | Authorization letter of the project authority, position of the authorized person in the project with the signature attested. | Authorization letter of the project authority mentioning the position of the authorized person is enclosed as Annexure-III . |
| 5 | Justification for locating the project in forest area. | Justification for locating the project in forest area has been mentioned in the page no. 4 of the Forest Diversion Proposal. |
| 6 | Justification for requirement of the proposed road outside the mining lease area for transportation of Mineral from Gandhamardan-A & B to NH-49. | Justification for requirement of the proposed road outside the mining lease area for transportation of Mineral from Gandhamardan-A & B to NH-49 has been mentioned in the page no. 4 of the Forest Diversion Proposal. |
| 7 | In Form-A, Part-I in online application it is mentioned that the proposed road use for transportation of Iron Ore from Gandhamardan-A mining lease area but in hard copy of Form-A, Part-I mentioned that transportation of ore from Gandhamardan-A & B of M/s OMC Ltd. Please clarify the same. If hard copy of Form-A, Part-I is correct, then rectify the online Form-A, Part-I. | The proposed road will be used for transportation of mineral produced from both Gandhamardan A & B. So, in Part-I of online application which is mentioned as "the proposed road use for transportation of Iron Ore from Gandhamardan-A mining lease area" may be read as "the proposed road use for transportation of Iron Ore from both Gandhamardan-A and Gandhamardan-B mining lease area". |
| 8 | There is no such land schedule for 7.516 ha included in the Diversion proposal. But it is mentioned in the DGPS map that allotment area is 7.516 ha & map area is 7.518 ha, Please clarify. | As per the authenticated DGPS surveyed map and land schedule by ORSAC and authenticated by Revenue and Forest official, the total area comes to 7.518 ha. The land schedule authenticated by Tahasildar, Banspal is enclosed at page no. 84 of the Forest Diversion Proposal. |

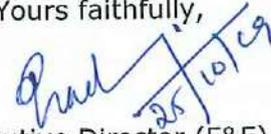
| | | |
|----|--|--|
| 9 | Land schedule from the concerned Tahasildar mentioning area under different Kisam should be submitted. | Land schedule from the Tahasildar, Banspal mentioning area under different Kisam is enclosed at page no. 84 of Forest Diversion Proposal. |
| 10 | Category/ patch / village wise break up of forest land proposed for diversion. | Category/ patch / village wise break up of forest land proposed for diversion is enclosed at page no. 2 and 3 of Forest Diversion Proposal. |
| 11 | Details of approvals obtained/ sought for under the Act in respect of the project. | No approval has been obtained/sought for under the Act in respect of the project till date. |
| 12 | Provide non-forest land equivalent to forest land proposed for diversion for raising compensatory afforestation. | Collector, Kalahandi vide letter dt.09.10.2019 has allotted of 7.518 ha of non-forest Govt. land for raising compensatory afforestation and DFO, Kalahandi (S) has prepared a scheme and endorsed to PCCF (N) with a copy to DFO, Keonjhar vide memo no. 4327 dt. 23.10.2019. Copy of the scheme is enclosed as Annexure-IV . |
| 13 | Check list in the prescribed format. | Checklist in the prescribed format has been enclosed from page no. i to xii of the Forest Diversion Proposal. |

It is therefore requested to kindly recommend the proposal to RCCF, Rourkela for grant of Stage-I FC.

An early action is highly solicited.

Encl: As above

Yours faithfully,


Executive Director (F&E)

Memo No...../OMC/F&E/2019

25th October, 2019

Copy to Regional Manager, Gandhamardan for kind information and necessary action.


Executive Director (F&E)



UNDERTAKINGS

I Dr. (Mrs) Tillottama Basa, Additional General Manager (Geology), Power of Attorney Holder, M/s Odisha Mining Corporation Limited, authorized signatory of this project do hereby undertake the following for furtherance of the forest diversion proposal in respect of road for transportation of ore from Gandhamardan Iron Ore Mining Lease of M/s Odisha Mining Corporation limited:

1. To bear the cost of Net Present Value (NPV) of the total forest land involved in the project.
2. In case approval under the Act for diversion of the forest land is declined, it is not technically feasible to execute the project along an alternate alignment where forest land is involved.
3. That the instant proposal is processed in their entirety covering all Divisions/ Districts/ States.

M. Basa

**Dr. (Mrs) Tilottama Basa
Addl. General Manager (Geology)
Authorized Signatory
Odisha Mining Corporation Limited**

**T. Basa
Addl. General Manager (Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd.
Bhubaneswar**

The Odisha Mining Corporation Ltd.

(A Gold Category State PSU)

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CIN : U13100OR1956SGC000313

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OMC

ANNEXURE-I
ODISHA
NEW OPPORTUNITIES

12425
Letter No. /OMC/F&E/19
2nd Aug 2019
03

To

The Collector and District Magistrate
Keonjhar

Sub: Issue of certificate in Form-I under FRA, 2006 (for linear projects) for diversion of 7.518 ha of forest land for construction of proposed road from Gandhamardan Block-A Iron Ore Mines of Odisha Mining Corporation Ltd to N.H. 49 for evacuation of iron ore.

Ref: (i) No.11-9/98-FC (pt.) dt 03.08.2009 by MoEF, Govt. of India.
(ii) No.11-9/98-FC (pt.) dt 05.02.2013 by MoEF, Govt. of India.

Sir,

Ministry of Environment and Forests (MoEF), Govt. of India vide letter under reference (i) has advised to submit evidences for having initiated and completed the process of settlement of rights under Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 on the forest land proposed for diversion for non-forest purpose. MoEF, vide letter under reference (ii) has also issued certain relaxation in respect of linear projects. The Odisha Mining Corporation Ltd (OMC) has proposed to construct a new road from Gandhamardan Block-A Iron Ore Mines to N.H. 49 via Lunghar village for transportation of iron ore produced from Gandhamardan-A & B iron ore mines. The road is proposed to pass through the village limits of Daunla, Suakati and Tentuli under Banspal Tahasil of Keonjhar district over an area of 7.518 ha. The land details duly authenticated by the Forest and Revenue Officers at Annexure-I along with the cadastral map on 1:3960 scale showing the road proposed to be constructed by OMC is enclosed for kind reference.

In order to process the diversion proposal, a certificate in Form-I by Collector, Keonjhar is required to be appended to the proposal for consideration by MoEF & CC, Govt. of India. This proposal of OMC is very important in the present scenario of enhanced transportation of iron ore from both the mines to cater the need of the iron and steel industries. The completion of this road not only will reduce the traffic congestion in the region but also enhance the revenue generation by transportation of additional 3.0 million tons of iron ore.

It is therefore requested to kindly issue necessary certificate in this regard so that Forest Diversion Proposal for diversion of 7.518 ha for construction of road can be processed.

Yours faithfully

[Signature]
Executive Director (F&E)

Encls. as above.

12426
Memo No. /OMC/F&E/2019 dt 02.08.2019
03

Copy along with the copy of the enclosures forwarded to the Regional Manager, Gandhamardan for kind information. He is requested to keep in touch with the Collector, Keonjhar for needful.

[Signature]
Executive Director (F&E)

The Odisha Mining Corporation Ltd.

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CIN : U13100OR1956SGC000313

STATISTICS OF FOREST AREA PROPOSED FOR DIVERSION WITHIN PROPOSED APPROACH ROAD
CORRIDOR FROM N.H.-49 TO GANDHAMARDAN-A IRON ORE MINES OF M/s OMC Ltd. IN
KEONJHAR DISTRICT

| Sl. No. | Village Name | Plot No. | Hal KISSAM | Sabik KISSAM | Allotted Area_Ha. | Map Area_Ha. |
|--|--------------|----------|--|--------------|-------------------|--------------|
| 1 | Daunla | 1028 | Gramya .Jungle Parbat-1 (Treated as Forest) | Un Surveyed | 0.245 | 0.247 |
| 2 | Daunla | 1029 | Jungle-1 | Un Surveyed | 0.077 | 0.088 |
| 3 | Daunla | 1030 | Jungle-1 | Un Surveyed | 1.167 | 1.165 |
| 4 | Daunla | 1031 | Jungle-1 | Un Surveyed | 0.577 | 0.579 |
| 5 | Suakati | 533 | Jungle | Un Surveyed | 0.751 | 0.75 |
| 6 | Suakati | 568 | Jungle | Un Surveyed | 0.846 | 0.843 |
| 7 | Suakati | 479 | Jungle | Un Surveyed | 0.848 | 0.836 |
| 8 | Suakati | 534 | Jungle | Un Surveyed | 0.512 | 0.512 |
| 9 | Suakati | 570 | Jungle | Un Surveyed | 0.309 | 0.308 |
| 10 | Suakati | 637 | Gramya .Jungle | Un Surveyed | 0.854 | 0.854 |
| 11 | Suakati | 832 | Jungle | Un Surveyed | 0.775 | 0.775 |
| 12 | Tentuli | 1105 | Jungle | Un Surveyed | 0.555 | 0.561 |
| Total Forest Area Proposed For Diversion | | | | | 7.516 | 7.518 |

2021/22

1.575

0.521

2.413

For
Forest Section Officer
Suakati

For
Forest Officer

20/11/21
Barama Inspector
Suakati

Shri A. Mohapatra
Scientist, ORSAC
Bhubaneswar

For
Range Officer
A.P. Rangaraj

For
Forest Officer

Shri A. Mohapatra
Scientist, ORSAC
Bhubaneswar

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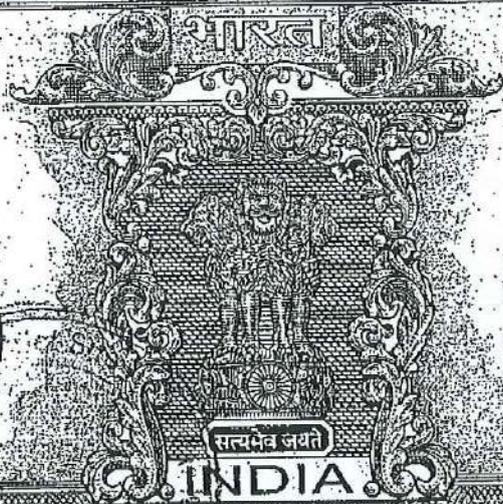
भारतीय गैर न्यायिक

पचास
रुपये

FIFTY
RUPEES

रु. 50

Rs. 50



INDIA NON JUDICIAL



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27682

LTI of Sri R. Vineel Krishna, IAS
21-05-17
M.D., OMC Ltd.

LTI OF Dr. Smt. Tilottama Basa
21-05-17
ADDL. GENERAL MANAGER

Managing Director
Odisha Mining Corporation Ltd
Bhubaneswar 751001

T. Basa
AGM (Geo)

POWER OF ATTORNEY

BE IT KNOWN TO ALL THAT on behalf of the Odisha Mining Corporation, Ltd. Bhubaneswar, I Sri. R. Vineel Krishna, IAS, Managing Director, OMC Ltd., Bhubaneswar aged about 36 years, son of Rambabu Ravella (PAN CARD No. AHXPP8279G) hereby appoint Dr. Smt. Tilottama Basa aged about 58 years old wife of Sri Kishor Kumar Basa, Plot No.5845/4708, Gajapati Nagar, Sainika School,

[Handwritten signatures]

Silpa narakara Babu

Tilottama Basa

537

22.02.19 50

Pankaj Setty

OMC - BOM

RECEIVED
05 FEB 2019
ADDL. TREASURY OFFICER

[Handwritten signature]

K.C. SARK
STAMP VENDOR
RHUBANESWAR

[Handwritten signature]



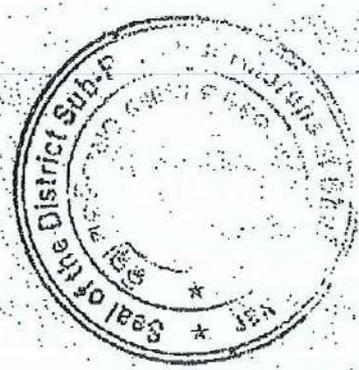
VTINO - 346

Pankaj Setty



VTINO - 347

ENO - 268/2000



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Endorsement of the certificate of admissibility

Admissible under rule 25: duly stamped under the Indian stamp (Orissa Amendment act 1 of 2008) Act 1899, Schedule 1-A
No. Fees Paid : A18(iii)-290 ,, User Charges-250 ,Total 540

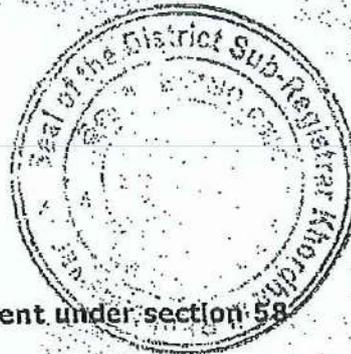
Date: 21/05/2019

Signature of Registering officer

Endorsement under section 52

Presented for registration in the office of the Sub-Registrar District Sub-Registrar KHURDA(BBSR) between the hours of 10:30 AM and 2:30 PM on the 21/05/2019 by DR. TILOTTAMA BASA ADDL. GENERAL MANAGER OF OMC LTD, son/daughter/wife of , of OMC LTD., BBSR , by caste GENERAL, profession and finger prints affixed.

Dr. Tilottama Basa



Signature of Presenter / Date: 21/05/2019

Signature of Registering officer.

Endorsement under section 58

Execution is admitted by :

| Name | Photo | Thumb Impression | Signature | Date of Admission of Execution |
|--|-------|------------------|---------------------------|--------------------------------|
| R VINEEL KRISHNA IAS MANAGING DIRECTOR OF OMC LTD | _____ | _____ | _____ | _____ |
| DR. TILOTTAMA BASA ADDL. GENERAL MANAGER OF OMC LTD | | 241796348 | <i>Dr. Tilottama Basa</i> | 21-May-2019 |

Identified by PARAKHITA SETHY Son/Wife of N/A of ADV BBSR by profession Advocate

| Name | Photo | Thumb Impression | Signature | Date of Admlsion of Execution |
|-----------------|--|--|------------------------|-------------------------------|
| PARAKHITA SETHY |  |  41167027 | <i>Parakhita Sethy</i> | 21-May-2019 |

[Signature]
Signature of Registering officer

Date: 21/05/2019

Endorsement of certificate of registration under section 60

Registered and true copy filed in : Office of the District Sub-Registrar, KHURDA(BBSR)

Book Number : 4 || Volume Number : 121

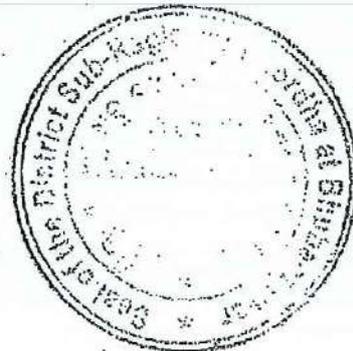
Document Number : 41081906106

For the year : 2019

Seal :

Date: 25/05/2019

[Signature]
Signature of Registering officer





ଓଡ଼ିଶା ओडिशा ODISHA

Bhubaneswar, Dist- Khurdha, Odisha-751005. (Aadhaar Card No. 7398 7531

F 027681

7433) and presently working as Addl. General Manager (Geology) and Sectional Head of Geology section of Odisha Mining Corporation Limited Bhubaneswar as the Attorney to act in the name of the Corporation and on its behalf to sign for filling applications for all Reconnaissance Permits, Prospecting Licenses, Mining Leases, Quarry Leases and to execute all Reconnaissance Permits, Prospecting Licenses, Mining Leases, Quarry Leases deeds.

The Nominated Owner Shri. R. Vineel Krishna, IAS also authorizes Dr. Smt. Tilottama Basa to sign in all matters regarding Mining Plan, Scheme of Mining, and Modification to Mining Plan, Modification to Scheme of Mining, Progressive Mine Closure Plan, Final Mine Closure Plan and any other matter with Indian Bureau of Mines. Govt. of India & Directorate of Mines, Govt. of Odisha.

v. Tilottama Basa
21-05-19

Managing Director
Odisha Mining Corporation

S. ba narayan saho

47
2538

22.02.19 50

Pankhitar Sethy

OMC - BHM

REVENUE DEPARTMENT
05 FEB 2019
ADD. TREASURY OFFICER

K.C. Barik
STAMP VENDOR
BHUBANESWAR

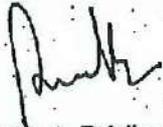


Having Visited the Residence of Shri R. Vineel Krishna, IAS
at 0.600 on the 21/02/19 at Managing Director Odisha Mining Corporation Lt
I have this day examined the said Shri R. Vineel Krishna, IAS
Who have been identified to my satisfaction by Pankhitar Sethy, Div OBR amol NO - 268/2000
of the same place and the said Shri R. Vineel Krishna, IAS.
admitted execution of this document.

Registering Officer
Bhubaneswar

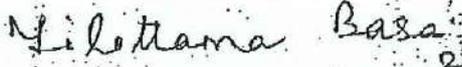
AND The Corporation do hereby agree to ratify all acts, deeds, instruments done or made by the above named Executive which shall be deemed to be done made by the Corporation and shall be binding on the Corporation with full force and effect.

In witness whereof, this power of Attorney is signed in the presence of the witness hereinafter mentioned this day of February 2019.


(Signature of Shri. R. Vineel Krishna)

Managing Director,
Odisha Mining Corporation Ltd.
Bhubaneswar

Bhubaneswar

x 
(Signature of the Attorney Dr. Smt. Tilottama Basa)

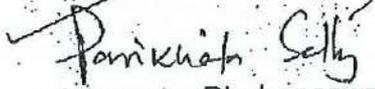
21-05-19
Addl. General Manager (Geology) and
Sectional Head of Geology Section O.M.C. Ltd.

Witnesses:-

1. Siba Narayan Sahoo
S/o Late Sudarshan Sahoo
Sr. Manager (Legal)
O.M.C. Ltd., Head Office
Bhubaneswar.

2. Shreekantha Kumar Nayak,
S/o Sri Golok Behari Nayak
Geology Section
O.M.C. Ltd., Head Office,
Bhubaneswar.

Certified that the executants are my client and the documents have been typed by my typist according to my direction.


Advocate, Bhubaneswar.



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Volume No.
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Filing No.
for the year 2019
1081906338

Registering Officer
Kharaha
21.5.19



Handwritten initials/signature

Handwritten signature
Managing Director
Shri. B. S. Chandra
Bhubaneswar 751 001



ଭାରତୀୟ ବିଶିଷ୍ଟ ପରିଚୟ କର୍ତ୍ତୃପକ୍ଷ

ଭାରତ ସରକାର
Unique Identification Authority of India
Government of India

ନମାଙ୍କନ କ୍ରମ / Enrollment No.: 1040/16740/19157

To
ଟିଲୋତ୍ତମା ବାସା
TILOTTAMA BASA
W/O: Kishor Kumar Basa
PLOT NO - 5845/4708 GAJAPATI NAGAR
SAINIKA SCHOOL BHUBANESWAR
Sainik School
Sainik School
Bhubaneswar Khorda
Odisha 751005
9438135111

08/07/2015
271898856



MP718988561FT



ଆପଣଙ୍କ ଆଧାର ସଂଖ୍ୟା / Your Aadhaar No. :

7398 7531 7433

ଆଧାର - ସାଧାରଣ ଲୋକର ଅଧିକାର



ଭାରତ ସରକାର

Government of India



ଟିଲୋତ୍ତମା ବାସା
TILOTTAMA BASA
ପିତା : ବାଞ୍ଛାନିଧି ସାହୁ
Father : BANCHHANIDHI SAHOO
ଜନ୍ମ ତାରିଖ / DOB : 08/04/1961
ଲିଙ୍ଗ / Female



7398 7531 7433

ଆଧାର - ସାଧାରଣ ଲୋକର ଅଧିକାର

ସୂଚନା

- ଆଧାର ପରିଚୟ ପ୍ରମାଣ ଅଟେ, ନାଗରିକତାର ନୁହେଁ ।
- ପରିଚୟ ପ୍ରମାଣ ଅନୁ ଲାଇଭ୍ ଅଥେଣ୍ଟିକେସନ୍ ଦ୍ୱାରା ପ୍ରାପ୍ତ କରନ୍ତୁ ।

INFORMATION

- Aadhaar is proof of identity, not of citizenship .
- To establish identity, authenticate online

- ଆଧାର ସାରାଦେଶରେ ବୈଧ ।
- ଭବିଷ୍ୟତରେ ଏହି ଆଧାର, ସମସ୍ତ ସରକାରୀ ଓ ବେସରକାରୀ ସେବା ପ୍ରାପ୍ତ କରିବାରେ ସାହାଯକ ହେବେ ।
- Aadhaar is valid throughout the country
- Aadhaar will be helpful in availing Government and Non-Government services in future



ଭାରତୀୟ ବିଶିଷ୍ଟ ପରିଚୟ କର୍ତ୍ତୃପକ୍ଷ

Unique Identification Authority of India

ଠିକଣା:
ସମାଜ ନାମ: ବିଶ୍ୱକର କୁମାର ବାସା, ପ୍ଲଟ ନଂ - 5845/4708, ଗଜପତି ନଗର, ସୈନିକ ସ୍କୁଲ, ଭୁବନେଶ୍ୱର, ଓଡ଼ିଶା, ଖୋର୍ଦ୍ଧା, ସୈନିକ ସ୍କୁଲ, ଖର୍ଦ୍ଦା, 751005
Address:
W/O: Kishor Kumar Basa, PLOT NO - 5845/4708, GAJAPATI NAGAR, SAINIKA SCHOOL, BHUBANESWAR, Sainik School, Khorda, Sainik School, Odisha, 751005

7398 7531 7433



1947
1800 300 1947



help@uidai.gov.in



www.uidai.gov.in

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x *Milottama Basa*

Valuation Report

Application No- 1081906338

Registration Office- KHURDA(BESR)

DEED DETAILS

Application Type- GENERAL POA WITHOUT PROPERTY

Status-

| Application No. | Execution Date | Presentation Date | Book No. | No. of Pages | Registration No | Registration Date |
|-----------------|----------------|-------------------|----------|--------------|-----------------|-------------------|
| 1081906338 | 21-MAY-19 | 21-MAY-19 | 4 | 6 | 41081906106 | 25-MAY-19 |

FEE DETAILS (In %)

| | | | |
|--------------------------------|----------------------------------|---|-----|
| Stamp Duty : | 100 | Registration Fee : | 540 |
| Consideration Amount : | 0 | A18(iii): | 250 |
| Benchmark Value : | 0 | Incidental Fee Details | |
| | | User Charges : | 250 |
| <input type="checkbox"/> STAMP | <input type="checkbox"/> E-STAMP | <input type="checkbox"/> FRANKING | |
| | | <input type="checkbox"/> CASH <input type="checkbox"/> CHEQUE <input type="checkbox"/> DD <input type="checkbox"/> CHALLAN <input type="checkbox"/> | |
| | | <input type="checkbox"/> POS | |
| | | <input type="checkbox"/> NEFT <input type="checkbox"/> RTGS <input type="checkbox"/> IMPS <input type="checkbox"/> IFMS | |

FIRST PARTY DETAILS

| Name | Relation | Relation's Name | Gender | Age | Profession | Caste | Interest/Type | Presenter | Signed | Present Address |
|---|----------|-----------------|-------------------------------|-----|------------|------------------------|-----------------------|----------------------------|--------|-----------------|
| R VINEEL KRISHNA IAS MANAGING DIRECTOR OF OMC LTD | | | | 36 | | | PRINCIPAL/INSTITUTION | | | OMC LTD., BBSR |
| Representative Name | | | Institution Name | | | Representative Address | | Representative Designation | | |
| R VINEEL KRISHNA IAS MANAGING DIRECTOR OF OMC LTD | | | ODISHA MINING CORPORATION LTD | | | OMC LTD., BBSR | | MANAGING DIRECTOR | | |

SECOND PARTY DETAILS

| Name | Relation | Relation's Name | Gender | Age | Profession | Caste | Interest/Type | Presenter | Signed | Present Address |
|---|----------|-----------------|-------------------------------|-----|------------|------------------------|------------------------------|----------------------------|--------|-----------------|
| DR. TILOTTAMA BASA ADDL. GENERAL MANAGER OF OMC LTD | | | | 58 | | | GENERAL ATTORNEY/INSTITUTION | | | OMC LTD., BBSR |
| Representative Name | | | Institution Name | | | Representative Address | | Representative Designation | | |
| DR. TILOTTAMA BASA ADDL. GENERAL MANAGER OF OMC LTD | | | ODISHA MINING CORPORATION LTD | | | OMC LTD., BBSR | | ADD. GENERAL MANAGER | | |

IDENTIFIER DETAILS

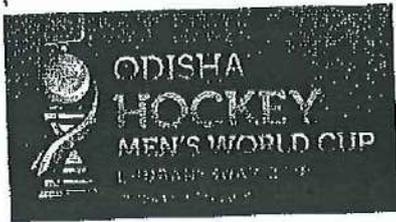
| Name | Father/Husband's Name | Address | Gender | Age | Profession | ID Proof |
|-----------------|-----------------------|----------|--------|-----|------------|----------|
| PARAKHITA SETHY | | ADV BBSR | MALE | 0 | Advocate | 0 |

REMARK DETAILS

| |
|-----------------|
| OK |
| MENTION ON DEED |

APPLICATION ID CREATED BY : NARESH PRATAPJINGH RAJKUMAR

DOCUMENT ENTERED BY : NITHILESH MARTHA



TO WHOM IT MAY CONCERN

Dr.(Mrs.) Tilottama Basa, Addl. General Manager(Geo) is hereby authorised to sign the documents in respect of different projects/leases of OMC Ltd., required in the process of grant of Forest Clearance, Environmental Clearance and subsequent clarifications as may be required from time to time and submit to all authorities concerned on behalf of OMC Ltd.


12/19
MANAGING DIRECTOR
ODISHA MINING CORPORATION LTD
BHUBANESWAR



OFFICE OF THE DIVISIONAL FOREST OFFICER KALAHANDI SOUTH DIVISION

AI/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:- dfoklds6@gmail.com)

Memo No: 4325 /3F (Lease) /2019

Dated, Bhawanipatna the 23 October 2019.

To,

The Addl. Principal Chief Conservator of Forests, (FD & NO) FC Act.
O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar.

Sub:-

Proposal for diversion of 18.577 Acr. equivalent to 7.518 Ha in lieu of the Non Forest Govt Land proposed for diversion of forest land pertaining to proposed new road from Gandhamardan Block (A&B) Mines to NH-49 of Odisha Mining Corporation Ltd, located in Keonjhar District.

(Submission of Site specific Compensatory Afforestation scheme)

With reference to the above cited subject & correspondence, the CA Scheme for diversion of 18.577 Acr. equivalent to 7.518 Ha. of non forest Govt. land identified in village Padepadar under Thuamul Rampur Tahasil in lieu of diversion of forest land pertaining to proposed new road for evacuation of mineral from Gandhamardan Block (A&B) to NH-49 in Keonjhar District of M/s Odisha Mining Corporation Ltd., Bhubaneswar basing on the current wage rate @ Rs.286.30/ per MD is enclosed here with in 5 (five) copies along with maps etc. for favour of your kind information & necessary action.

Encl:- As above.


Divisional Forest Officer
Kalahandi South Division

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

Copy forwarded to the Regional Chief Conservator of Forests, Bhawanipatna Circle, Bhawanipatna/ 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: _____/3F-Lease Date: _____/

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


Divisional Forest Officer
Kalahandi South Division

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

Copy forwarded to the Managing Director, OMC Ltd. Bhubaneswar for his information and necessary action.


Divisional Forest Officer
Kalahandi South Division

**SCHEME FOR
SITE SPECIFIC COMPENSATORY
AFFORESTATION**

OVER

**7.518 HA OF NON-FOREST GOVT. LAND
IDENTIFIED IN VILLAGE PADEPADAR
UNDER THUAMUL RAMPUR TAHASIL OF
OF KALAHANDI (S) FOREST DIVISION**

AGAINST

PROPOSED NEW ROAD

FROM

**GANDHAMARDAN (A&B) ML AREA OF OMC TO NH-49
OF**

ODISHA MINING CORPORATION LTD.

(A Govt. of Odisha Undertaking)

OMC HOUSE, POST BOX-34, BHUBANESWAR-1

@ Rs. 286.30/ Manday

Detailed scheme for Compensatory Afforestation to be carried out over 7.518 hectares in Padepadar Village of Thuamul Rampur Tahasil in Kalahandi District to be diverted for Construction of a new road outside Gandhamardan-A & B ML area of Odisha Mining Corporation Ltd. in Keonjhar District.

Due to closure of several iron ore mines in Keonjhar district anticipated by 2020, there will be an acute shortfall of supply of iron ore to user industries. This crisis has now put additional pressure on OMC to ramp up the production to cater the ensuing demand. In this context, it was explored that additional 3.0 MTPA can be transported through the proposed road from Gandhamardan Mines.

OMC has submitted six sets Forest Diversion Proposal over 7.518 ha to DFO, Keonjhar vide letter no. 13065/OMC/F&E/2019 dt. 16.08.2019. In accordance with the provision of F.C. Act 1980, Compensatory Afforestation scheme over 7.518 ha of non-forest Govt. land has to be covered to compensate the loss of forest and environment in general against the forest land proposed to be utilized for non-forestry activity. OMC requested Collector, Kalahandi vide letter dt. 17.07.2019 for allotment of non-forest Govt. land to raise Compensatory Afforestation. Nonforest areas suitable for plantation in village Padepadar under Thuamul Rampur Tahasil of Kalahandi District were jointly verified by officers of Revenue Department, Forest Department and representative of OMC Ltd. The areas have been allotted in favour of M/s O.M.C Ltd by the Collector, Kalahandi vide Letter No. 1797/Rev dt. 09.10.2019 is enclosed as **Annexure-(A)**.

The present scheme is prepared for compensatory afforestation over 7.518 ha. in village Padepadar which will accommodate around 12029 no. of plants.

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 |
|-----------|---------------|--------|----------|------------------|-----------------------------|
| Padepadar | 68/4 (AAA) | Dangar | 195 | 35.77 | 15.59 Ac. |
| | | Dangar | 209 | 28.58 | 2.99 Ac. |
| | Total | | | | 18.58 Ac or 7.518 ha |

The village maps showing the land details for the proposed compensatory afforestation is enclosed as **Plate No. I**.

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

G.P.S co-ordinates of survey stations & Key Plan of Compensatory Afforestation area shown on topo sheet is furnished as **Annexure-(C) Series**.

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:** Padepadar is at a distance of 2.367 km from Benakhamar RF.
- IV. **Soil type :** The soil is eroded with exposed rocks in some areas. Good depth of loamy soils are available in blank plain areas and podu affected areas.
- 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 degraded Sal and root stock of Sal in some areas. Few big trees also occur in scattered manner.
- VII. **Suitability of the land for compensatory afforestation:** The identified land is free from encroachment and encumbrance.

3. Plantation Model:- Bald Hill plantation with 1600 plants per hectare will be raised in Padepadar over 7.518 ha. Maintenance of plantation for 10 years is also required as per F.No. 11-168/2009-FC Date 14.2.2012 of MoEF. Cost norm for Bald Hill plantation is given at **Annexure-(D)**.

4. Schedule of Plantation Programme:-

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

| Year | Bald Hill with 1600 plants per ha | | |
|-----------|-----------------------------------|------------------|-------------------|
| | Area | Rate/Ha. | Amount |
| 0th Year | 7.518 Ha. | 97483.89 | 732883.86 |
| 1st Year | | 87281.78 | 656184.42 |
| 2nd Year | | 33972.65 | 255406.38 |
| 3rd Year | | 5411.07 | 40680.42 |
| 4th Year | | 5411.07 | 40680.42 |
| 5th Year | | 5411.07 | 40680.42 |
| 6th Year | | 5411.07 | 40680.42 |
| 7th Year | | 5411.07 | 40680.42 |
| 8th Year | | 5411.07 | 40680.42 |
| 9th Year | | 5411.07 | 40680.42 |
| 10th Year | 5411.07 | 40680.42 | |
| | Total | 262026.87 | 1969918.01 |

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 straight and 2 strand crossed 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.

| 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 | Padepadar | 1104 | 0 | 0 | 1104 |
| Total | | 1104 | 0 | 0 | 1104 |

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

Planting and post-planting:

b) Plantation will be taken up in time as per cost norm. While taking up plantation, the following 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 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 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 |
|-------------------------------|--------------|--|
| <i>Azadirachta indica</i> | Neem | |
| <i>Derris indica</i> | Karanja | |
| <i>Emblica officinalis</i> | Amla | |
| <i>Terminalia chebula</i> | Harida | In lower areas with good soil depth |
| <i>Terminalia bellirica</i> | Bahada | In lower areas with good soil depth |
| <i>Dalbergia sissoo</i> | Sissoo | In lower areas with good soil depth |
| <i>Gmelina arborea</i> | Gambhari | In lower areas with good soil depth |
| <i>Dendrocalamus strictus</i> | Salia bamboo | In lower areas with good soil depth healthy seedlings from rhizomes may be planted |
| <i>Dalbergia sissoo</i> | Sissu | In lower areas with good soil depth |
| <i>Cassia siamea</i> | Chakunda | In lower areas with good soil depth |
| <i>Tamarindus indica</i> | Tentuli | In lower areas with good soil depth |
| <i>Madhuca indica</i> | Mahul | Only two years old seedlings may be planted |
| <i>Simaruba glauca</i> | Simaruba | In rocky areas with low soil depth |
| <i>Zizyphus mauritania</i> | Ber | In rocky areas with low soil depth |
| <i>Tectona grandis</i> | Teak | Potted seedlings from pre-sprouted healthy stumps will be planted |
| <i>Mangifera indica</i> | 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 within cost norm.

- 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, Keonjhar Forest Division with his staff and all prescribed records are to be maintained. Compensatory Afforestation work will be monitored by officers of State Forest Department and MoEF&CC.
7. **Total cost of the project:** The total cost of the project is Rs. **27,72,200.00** (Rupees Twenty Seven lakh Seventy Two thousand two hundred only) as detailed in **Annexure-F** which shall be payable by the user agency as per demand of the D.F.O, Kalahandi South Forest Division.



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

OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE, KALAHANDI.

No. 1797 /Rev- /2019 dated. 9.10.2019

To

The Divisional Forest Officer (South)
Kalahandi, Bhawanipatna.

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

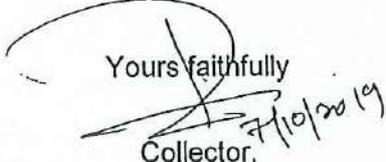
Ref:- Your letter No. 3978 dated 23.09.2019.

Sir,

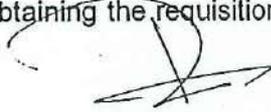
I am to say that the OMC Ltd. had filed allocation of Ac.18.573 equivalent to 7.518 Ha. of non-forest land at Mouza Mundighati for compensatory afforestation and whereas the proposed land was found unsuitable and therefore an alternative equivalent land at Mouza Padepadar under Th. Rampur Tahasil has been identified and joint verification completed for allocation for raising compensatory afforestation in lieu of the forest land proposed for bypass road from Gandhamardan (Block-A&B) Mining Lease to NH-49 located in the district of Keonjhar of M/s OMC Ltd.

You are, therefore requested to 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.

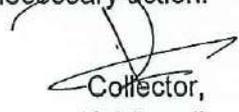
Yours faithfully


 Collector,
Kalahandi.
Memo No. 1798 / Dated. 9.10.2019

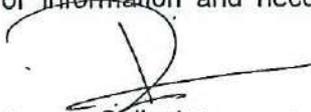
Copy alongwith copies of joint verification report and sketch map forwarded to Tahasildar, Th. Rampur for information. He is requested to process the alienation proposal in favour of the Forest and Environment Department, Odisha on obtaining the requisition from the Divisional Forest Officer (South),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


 Collector,
Kalahandi.
Memo No. 1799 / Dated. 9.10.2019

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


 Collector,
Kalahandi.
Memo No. 1800 / Dated. 9.10.2019

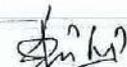
Copy to Managing Director, OMC Ltd., Bhubaneswar for information and necessary action.


 Collector,
Kalahandi.

JOINT VERIFICATION REPORT OF NON-FOREST GOVERNMENT LAND IN VILLAGE PADEPADAR UNDER TH. RAMPUR TAHASIL OF KALAHANDI DISTRICT FOR RAISING COMPENSATORY AFFORESTATION (BALD HILL PLANTATION) IN LIEU OF THE FOREST LAND AGAINST PROPOSED BYPASS ROAD FROM GANDHAMARDAN (BLOCK-A&B) ML TO NH-49 OF M/s ODISHA MINING CORPORATION LIMITED LOCATED IN THE DISTRICT OF KEONJHAR, ODISHA.

Certified that on joint verification of Non forest government land (Kissam – Dangar) in village Padepadar of Th. 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 come under DLC land and FR Settlement.

| Name of the Tahasil | Name of the Village | Plot No. | Khata No. | Kissam | Total area of the plot (Acres) | Area considered in (Acres) | Type of Plantation in Hectares |
|---------------------|---------------------|----------|------------|--------|--------------------------------|------------------------------|-------------------------------------|
| Th. Rampur | Padepadar | 195 | 68/4 (AAA) | Dangar | 35.77 | 15.59 | Block Plantation 1600 Plants /HA |
| | | 209 | | | 28.58 | 2.99 | |
| TOTAL | | | | | | 18.58 Acre or 7.518 Ha | |


Revenue Inspector
Jubrajpur
~~Revenue Inspector~~
Jubrajpur


Forester
Benakna, n.d. Sector


Range Officer
Forest Range Officer
Jaipatna


Tahasildar
Th. Rampur
~~Tahasildar~~
Th. Rampur

**GPS READING OF THE AREA PROPOSED FOR COMPENSATORY
AFFORESTATION**

| VILLAGE PADEPADAR | | | | | | |
|--|-----------|--------------------------------|-----------------|----------------|-----------------|----------------------|
| POINTS | | GEOGRAPHIC CO-ORDINATES | | BEARING | | DISTANCE |
| FROM | TO | LONGITUDE | LATITUDE | FORWARD | BACKWARD | IN METERS |
| 1 | 1 | 82°51'02.64" | 19°20'42.31" | 82°02'44" | 262°02'44" | 301.867 |
| 2 | 2 | 82°51'12.90" | 19°20'43.56" | 177°18'58" | 357°18'58" | 297.156 |
| 3 | 3 | 82°51'13.26" | 19°20'33.90" | 275°00'46" | 95°00'46" | 269.181 |
| 4 | 4 | 82°51'04.09" | 19°20'34.76" | 349°04'01" | 169°04'01" | 235.815 |
| PERIMETER - 1104.019 METER & AREA - 7.518 HA. | | | | | | |


Divisional Forest Officer
Kalahandi South Division

82°50'0"E

82°52'30"E

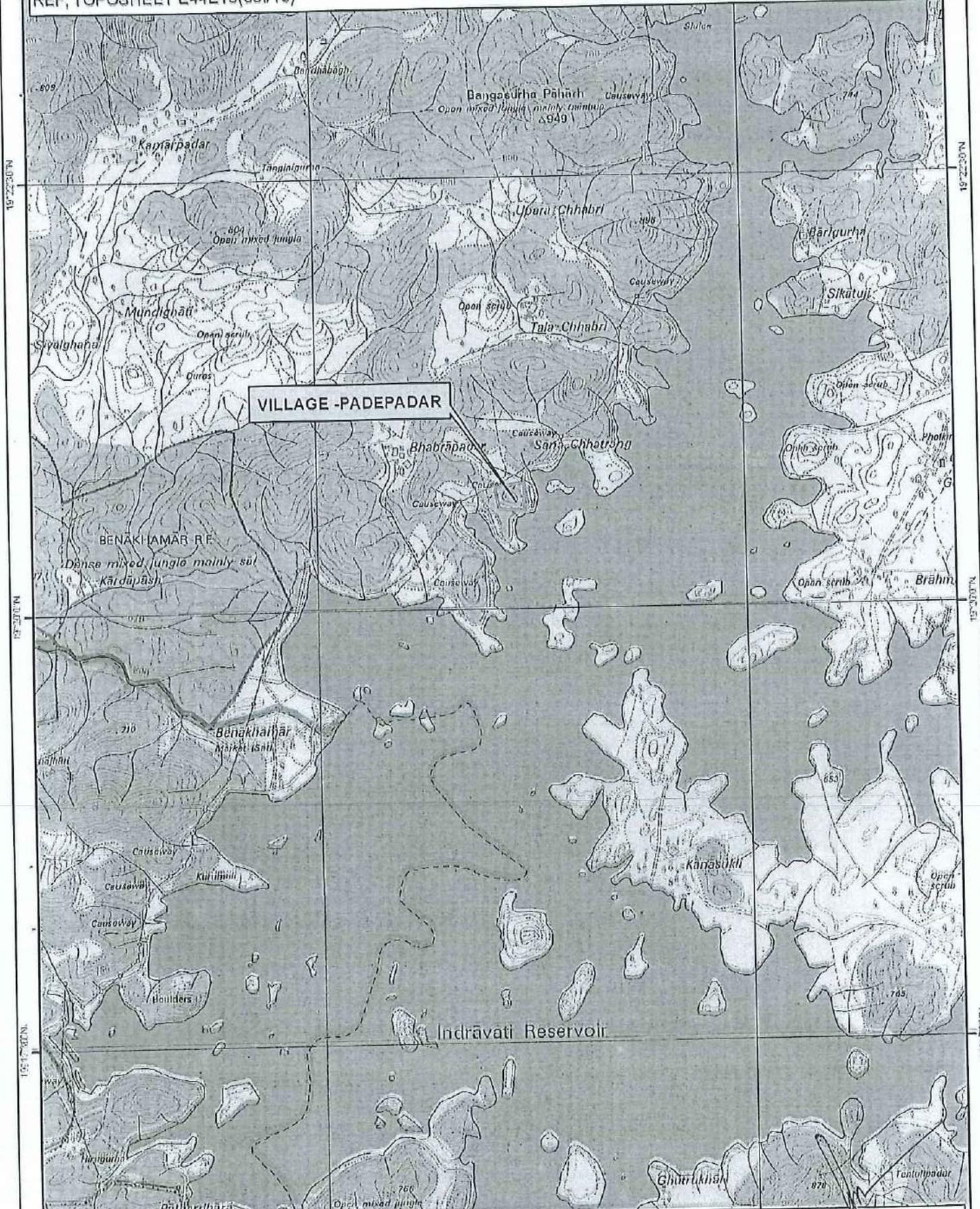
KEY PLAN

REF; TOPOSHEET E44E15(65I/15)

SCALE; 1:50000

OMC LTD.

N



VILLAGE - PADEPADAR

AREA PROPOSED FOR COMPENSATORY AFFORESTATION (7.518 HA.)

Divisional Forest Office
Kalahandi South Division

82°50'0"E

82°52'30"E

19°22'30"N

19°22'30"N

19°20'0"N

19°20'0"N

19°17'30"N

19°17'30"N

COST NORM FOR BALD HILL PLANTATION @ 1600 PLANTS PER HECTARE**(Labour cost @Rs286.30 per manday)**

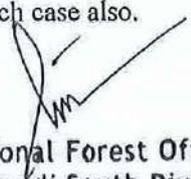
| SI No | Item of Work | Preferable Period of execution | Manday | Labour Cost (Rs) | Material Cost (Rs) | Total Cost in (Rs) |
|---|--|--------------------------------|------------|------------------|--------------------|--------------------|
| PREPARATORY OPERATION (0TH YEAR) | | | | | | |
| 1 | Survey and demarcation | June | 2 | 572.60 | 0 | 572.60 |
| 2 | Pitting (1600 per ha) each pit-45 cm ³ | Nov-Dec | 128 | 36646.40 | 0.00 | 36646.40 |
| 3 | Soil and water conservation measures (a) Staggered trench along the contour @ 300 per ha (2.5mx0.5 m x0.5m); 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). (b) Site clearance- 8 MD, alignment and staking of contour lines on ground, planting pits, contour trenches / percolation pits and check dam sites, etc.- 2 MD | Sep-Nov | 130 | 37219.00 | 0.00 | 37219.00 |
| | | July-Aug | 10 | 2863.00 | 0.00 | 2863.00 |
| 4 | Raising of seedlings in poly bags (minimum 60 cm high) @ Rs.12.67 per seedling (Rs.8.83 in 0th year + Rs.3.84) Part (1760 saplings to be raised for one hectare) | Oct-Mar | 44 | 12597.20 | 2943.60 | 15540.80 |
| | TOTAL 0th year | | 314 | 89898.20 | 2943.60 | 92841.80 |
| 5 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 4642.09 |
| | GRAND TOTAL | | 314 | 89898.20 | 2943.60 | 97483.89 |
| PLANTING OPERATION (1ST YEAR) | | | | | | |
| 1 | Cost of sapling (balance) from April-June/July @Rs.3.84 per seedling for 1760 seedlings | Apr-Jun | 22 | 6298.60 | 459.80 | 6758.40 |
| 2 | Freshening of pits -64 MD, filling with fertile soil and farm yard manure (FYM)-24 MD, application of insecticide and planting of 60 cm tall saplings including carriage of plants- 21 MD | Jun-Jul | 109 | 31206.70 | 0.00 | 31206.70 |
| 3 | Cost of Fertile Soil 0.25 cft @ Rs.8 per cft/FYM 0.25 cft @ Rs.15 per cft per pit | | 0 | 0.00 | 9200.00 | 9200.00 |
| 4 | Sowing of seeds on dug out earth of trench | June | 6 | 1717.80 | 200.00 | 1917.80 |
| 5 | Carriage-6 MD, Planting including Casualty replacement -6 MD, fertilizer application- 5 MD, 1st weeding-7 MD, 2nd weeding -5 MD, soil working- 7 MD | Jul-Aug | 36 | 10306.80 | 0.00 | 10306.80 |
| 6 | Cost of fertilizer and insecticide (Granular Insecticide @ 5 gms/plant @ Rs.80/- per kg=Rs.640.00, NPK 100 gms/plant in two doses @ Rs.24 per kg= 3840 | | 0 | 0.00 | 4480.00 | 4480.00 |
| 7 | Maintenance of soil and Moisture Conservation measures (20% of cost) | Oct-Dec | 26 | 7443.80 | 0.00 | 7443.80 |
| 8 | Closure to grazing fire and other biotic interference by engaging watch & ward | Apr-Mar | 30 | 8589.00 | 0.00 | 8589.00 |
| 9 | Fire tracing and control, display board construction, painting / writing, other miscellaneous cost | Jan-Feb | 10 | 2863.00 | 360.00 | 3223.00 |
| | TOTAL (1st Year) | | 239 | 68425.70 | 14699.80 | 83125.50 |
| 10 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 4156.28 |
| | GRAND TOTAL | | 239 | 68425.70 | 14699.80 | 87281.78 |
| MAINTENANCE OPERATION (2ND YEAR) | | | | | | |

| | | | | | | |
|---|--|---------|-----------|-----------------|----------------|-----------------|
| 1 | Casualty replacement- 6 MD including seedling cost @Rs.12.67 per seedling and its transportation | Jun-Jul | 10 | 2863.00 | 2027.20 | 4890.20 |
| 2 | Soil working- 7 MD, 1st weeding-6 MD, 2nd weeding -6 MD and fertilizer application -4 MD | Aug-Oct | 23 | 6584.90 | 0.00 | 6584.90 |
| 3 | Cost of fertilizer @ 50 gms NPK per plant @ Rs.24/- per kg for 1600 plants =Rs.1920.00 Insecticide @ 5 gm per plant for 160 nos. of plants @ Rs. 80 per KG = Rs. 64.00 | | 0 | 0.00 | 1984.00 | 1984.00 |
| 4 | Maintenance of Soil and Moisture Conservation measures (20% of cost) | Aug-Oct | 26 | 7443.80 | 0.00 | 7443.80 |
| 5 | Fire tracing and control and other miscellaneous cost | Feb-Mar | 10 | 2863.00 | 0.00 | 2863.00 |
| 6 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 30 | 8589.00 | 0.00 | 8589.00 |
| | TOTAL 2nd Year | | 99 | 28343.70 | 4011.20 | 32354.90 |
| 7 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 1617.75 |
| | GRAND TOTAL | | 99 | 28343.70 | 4011.20 | 33972.65 |
| MAINTENANCE OPERATION (3RD YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 3rd Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (4TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 4th Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (5TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 5th Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (6TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 6th Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (7TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 7th Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (8TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| | TOTAL 8th Year | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| | GRAND TOTAL | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (9TH YEAR) | | | | | | |

| | | | | | | |
|--|---|---------|-----------|----------------|----------|----------------|
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| TOTAL 9th Year | | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| GRAND TOTAL | | | 18 | 5153.40 | 0 | 5411.07 |
| MAINTENANCE OPERATION (10TH YEAR) | | | | | | |
| 1 | Closure to grazing, fire and other biotic interference by engaging watch and ward | Apr-Mar | 18 | 5153.40 | 0 | 5153.40 |
| TOTAL 10th Year | | | 18 | 5153.40 | 0 | 5153.40 |
| 2 | Monitoring & Supervision charge 5% of the total cost | | | 0.00 | | 257.67 |
| GRAND TOTAL | | | 18 | 5153.40 | 0 | 5411.07 |

| ABSTRACT | | | | | | |
|-----------------|-----------------------|----------------|---------------------------------|--------------------|--|--------------------|
| Sl. No. | Year | No. Person Day | Labour cost @ Rs 286.30 per day | Material cost (Rs) | Monitoring & Supervision charge 5% of the total cost | Total cost in (Rs) |
| 1 | 0th Year | 314 | 89898.20 | 2943.60 | 4642.09 | 97483.89 |
| 2 | 1st Year | 239 | 68425.70 | 14699.80 | 4156.28 | 87281.78 |
| 3 | 2nd Year | 99 | 28343.70 | 4011.20 | 1617.75 | 33972.65 |
| 4 | 3rd Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 5 | 4th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 6 | 5 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 7 | 6 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 8 | 7 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 9 | 8 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 10 | 9 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| 11 | 10 th Year | 18 | 5153.40 | 0.00 | 257.67 | 5411.07 |
| Total | | 796.0 | 227894.80 | 21654.60 | 12477.47 | 262026.87 |

In case of Bald Hill Plantation, the hills having more than 30% slope will qualify for Bald Hill Plantation norm. In remaining areas of the hill, cost norm for normal plantation @ 1600 plants per hectare will be applicable. In case of highly refractory sites having rocky out crop having less than 30% slope, the concerned CFs/RCCFs I/C circle will have to certify specifically about the Bald Hill characteristics of the site. In case of high hills, the upper portion may qualify for Bald Hill Cost Norm and the foot hill with normal soil depth may be taken up at par with norms applicable for normal plantation. But the provision of fencing Bald Hill Plantation Norms will be available for the entire plantation in such case also.


 Divisional Forest Officer
 Kalahandi South Division

ESTIMATE FOR BARBED WIRE FENCE

7 strands straight + 2 diagonal strands of 2 ply barbed wire on RCC posts fixed at 2.5 mtr intervals.

Two struts at every 10th pillar

Fence post size Length—8ft, Bottom width 6"x6", Top width-4"x4" Reinforced with 6mm rods

Minimum wage rate Rs. 286.30 per day for unskilled labourer

ANALYSIS OF RATE

| | | | | |
|---|--|--------------|------------|-----------------|
| 1 | Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth (per 100 cum.) | | | |
| | Mulia | 43 | 286.30 | 12310.90 |
| | 2% sundries and T & P etc. | | | 246.22 |
| | | Total | | 12557.12 |
| 2 | Cement concrete (1:4:8) with 4 cm hard granite metal including lying, compacting, curing with all cost, conveyance, royalty of materials etc. (per 1 cum) | | | |
| | HG metal | 0.96 cum | Rs 1223.40 | 1174.64 |
| | Sand | 0.48 cum | Rs 443.00 | 212.62 |
| | Cement | 1.72 qtl | Rs 630.00 | 1083.60 |
| | Mason 2 nd Class | 0.18 | Rs 326.30 | 58.73 |
| | Man mulia | 1.80 | Rs 286.30 | 515.34 |
| | Woman mulia | 1.40 | Rs 286.30 | 400.82 |
| | Man mulia | 0.70 | Rs 286.30 | 200.41 |
| | | Total | | 3646.16 |
| 3 | Cement Concrete (1:2:4) with 12 mm size C.B.H.G chips including cost, carriage & royalty etc complete | | | |
| | HG chips 12 mm | 0.96 cum | Rs 1581.40 | 1518.14 |
| | Sand | 0.45 cum | Rs 443.42 | 199.53 |
| | Cement | 3.23 qtl | Rs 630.00 | 2034.90 |
| | Mason 2 nd Class | 0.60 | Rs 326.30 | 195.78 |
| | Mulia | 4.6 | Rs 286.30 | 1316.98 |
| | | Total | | 5265.33 |
| 4 | Cutting, bending, binding, straightening and tying the grills and placing in position including cost of M.S Tor Steel and binding wire etc (Ref-A/R-2006 item No. 9 Page 52). Taking output for 1 quintal | | | |
| | Cost & carriage of HYSD Steel including 5% for wastage & overlapping | 1.05 qtl | Rs 5500.00 | 5775.00 |
| | Binding wire | 8 kg | Rs 80/kg | 640.00 |
| | Labour for cutting, bending, shifting to site, tying & placing in position Mate | 0.44 | 376.30 | 165.57 |
| | Blacksmith Special | 4 | 436.30 | 1745.20 |
| | Semiskilled mulia | 8 | 326.30 | 2610.40 |
| | | Total | | 10936.17 |

- 01). 02 ply barbed wire (5 Rmt per kg)
 7 straight strand x 1000 Mt =7000Mt
 2 Diagonal strand = $2 \times \sqrt{(6.5')^2 + (8.2')^2} = 2 \times 10.50 \text{ ft}$
 =21.00 ft x 400 nos=8400 ft or =2560Mt
 =9560Mt

Cost per KM=9560/5=1912 Kg @ Rs.80/Kg

Rs.1,52,960.00

- 02). Construction of RCC pillars of size-
 Length—8ft, Bottom width 6"x6", Top width-4"x4"
 Reinforced with 6mm rods with proper curing
 $\frac{(8' \times 6'' + 4'') \times 6'' + 4''}{2} = 1.34 \text{ cft}$ or 0.038 cum

| | |
|--|-----------|
| i) Cost of c.c. work 1:2:4=0.038 cum @5265.33/cum | = 200.08 |
| ii) Cost of rod including cutting, bending & binding 0.038x0.9qtl=0.0342 qtl@ Rs. 10936.17/qtl. | = 374.02 |
| iv) Contingency (15%) including Curing, stacking, provision of hooks etc. | = 86.11 |
| | ----- |
| | Rs.660.21 |

Requirement of pillars per KM-

Spacing=2.5mtx2.5mt

Requirement=1000mt/2.5mt = 400

Strut pillar in every 10th pillar=(400/10)x2 = 80

480 Nos

Cost of pillars per Kilometer= 480@ Rs 660.21

Rs.3,16,900.80

03). Fitting fixing of RCC pillars in position with hbg metal (4cm) in C.M (1:4:8)

i) Digging of pits 1.5'x1.5'x1.5'=3.375cft/pit

for 480 pits, 480x3, 375=1620 cft or 45.86 cum @ Rs. 12,557.12/100cum

=Rs 5758.70

ii) Fixing of pillars with 4cm hbg metals in C.M 1:4:8

pit size-1.5'x1.5'x1.5' =3.375 cft

Deduct 1/3rd of butt of pillar i.e.3.375/3 =(-) 1.125 cft

Total c.c. work per pillar 2.25cft

For 480 pillars=480x2.25=1080cft or 30.577 cum @ Rs. 3646.16/cum

Rs.1,11,488.60

04). Labour for straightening the barbed wire and fixing & clipping with pillars

70M.d per km@ Rs 286.30 per manday =

Rs.20,041.00

05). Carriage of Barbed wire & pillars to work site

@Rs.1000/tl. and cost of loading & unloading within 5 km distance =

Rs.18,000.00

Approximately 10 tld @ 800/tld =

Rs. 7,500.00

06). Provision of one Iron Gate of size (4' x 5') on LS =

Total = Rs.6, 32,649.10

Labour Cess 1% = Rs. 6,326.49

Rs.6,38,975.59

Expenditure per 1 km of barbed wire fencing

07). Expenditure towards maintenance for 3 years (3rd, 6th & 9th year)

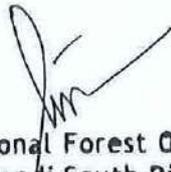
@ 2% of cost per rkm = 3 x 2% x Rs.6,38,975.59

= Rs.38,338.53

Expenditure per 1 km of barbed wire fencing including maintenance =

Rs.6,77,314.12

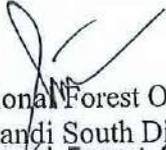
Or say Rs 6, 77, 400.00


Divisional Forest Officer
Kalahandi South Division

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 677400/- X 1.104 km | 747849.60 |
| 2 | Bald Hill plantation with 1600 plants per ha 7.518 ha X Rs.262026.87 | 1969918.01 |
| | Total | 2717767.61 |
| 3 | Cost escalation in future 20% | 54355.35 |
| | Grand Total | 2772122.96 or say Rs 27,72,200.00 |

(Rupees Twenty Seven lakh Seventy Two thousand Two hundred only)


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