



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

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Memo No. 1432 /6F-Mining-15/2017

Dated, Keonjhar the 08/02/2018

To

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela

Sub: Proposal for diversion of 345.189 ha Forest land involved in the mining lease area over 366.311 ha of Khandbandh Iron Ore Mines of M/s OMC Ltd in Keonjhar district, Odisha.

Ref: Proposal No. FP/OR/MIN/8707/2014, State Sl. No. OR-012/2017 dated. 20.03.2017, this office memo no. 8043 dated 17.12.2017 & your memo No.109 dated 15.01.2018.

With reference to above cited memos, the revised forwarding letter, site inspection report & Part-II showing the details violations and action taken as per report of Justice M.B. Shah Commission for production of Iron ore without obtaining approval under F.C Act, 1980 is enclosed herewith.

Further, the Tahasildar, Barbil has intimated vide his letter No.799 dated 12.02.2018 that, 11 persons in Village Khandabandh & 7 persons of Village Guruda has been encroached within the mining lease area of Khandabandh Iron Ore Mines of OMC Ltd. & the Range Officer, Champua has been intimated that, title (patta) over an area of 0.12 decimal of DLC forest land in Khata No.40, Plot No. 64/3 & 64/9 settled under FRA, 2006 by competent authority to Sankari Munda, W/o-Late- Lakhan Munda of Khandbandh within the lease hold area of Khandbandh Iron Ore Mines of M/s. OMC Ltd which has been reflected in revised forwarding letter under para B.12. Certificate under FRA, 2006.

This is for favour of kind information and necessary action.


**Divisional Forest Officer,
Keonjhar Division.**

Memo No. 1433 /Dated 08.03.2018

Copy forwarded to the Additional Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information with reference to memo no. 110 dated. 15.01.2018 of RCCF, Rourkela Circle, Rourkela.


**Divisional Forest Officer,
Keonjhar Division.**



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No. 06766-254315, E.mail- dfokjr.od@gov.in

Memo No. 1434 /6F-Mining-15/2017

Dated, Keonjhar the 8th March 2018

To

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela

Sub: Proposal for diversion of 345.189 ha Forest land involved in the mining lease area over 366.311 ha of Khandbandh Iron Ore Mines of M/s OMC Ltd in Keonjhar district, Odisha.

Ref: Proposal No. FP/OR/MIN/8707/2014, State Sl. No. OR-012/2017 dated. 20.03.2017

Proposal for diversion of 345.189 ha of forest land involved in the mining lease area over 366.311 ha of Khandbandh Iron Ore Mines of M/s OMC Ltd in Keonjhar district, Odisha, has been received online from the Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act. O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar vide No. FP/OR/MIN/8707/2014, State Sl. No. OR-012/2017 on dated 20.03.2017. The submitted proposal, over 345.189 ha forest land including 6.77 ha forest land located within safety zone all along the inner side of the ML boundary of the mining lease, in 5 sets is sent herewith for approval under section-2(ii) of Forest Conservation Act, 1980 (Amended) after due scrutinization in compliance with the guideline F No. 8-78/1996-FC (pt.) dt.10.03.2015 read with F No. 8-78/1996-FC(pt.) dt.09.03.2016 of MoEF&CC, Govt. of India.

A. Brief description of the Project Proposal

A1 - Brief description of the Project

The mining lease of Khandbandh Iron ore mine was granted over 366.311 ha vide letter No. III (A) II-9/63- 11708, dated 22.11.1963 of Govt. of Odisha Mining & Geology Department. The said Mining lease was executed on dated 30.11.1963 for a period of 30 years with effect from 30.11.1963 to 29.11.1993 over an area of 366.311 ha. The first RML was applied on 09.11.1992 one year prior to expiry of the original mining lease period over 366.311 ha which comprises 98.221 ha Revenue Forest, 207.309 ha DLC Forest, 60.781 ha non-forest land. The second RML was applied on 06.11.2012 over the said area from extension of ML period 30.11.2013 to 29.11.2033.

The Mining Lease of Khandbandh Iron Ore Mines of M/s OMC Ltd lies between longitude E 85° 23'12.66888" – 85° 24' 45.86016" and latitude N 21° 55' 40.27579" – 21° 57' 29.90066" in Survey of India topo sheet no. F 45 N 5. The said mining lease over 366.311 ha involves 97.217 ha Village Forest, 209.973 ha DLC forest land and 37.999 ha Non-forest land recorded as Forest as on 25.10.1980. The schedule area of Revenue Forest plots and DLC Forest plots involved in the mining lease has been arrived following DGPS survey of the mining lease at 97.217 ha as per RoR against the schedule area over 98.221 ha and at 209.973 ha as per RoR against the schedule area over 207.309 ha. The discrepancies in Revenue Forest and DLC Forest due to DGPS survey. The instant diversion proposal has been submitted over 345.189 ha (Revenue forest-97.217 ha, DLC Forest-

209.973 ha and 37.999 ha Non- Forest land recorded as Forest as on 25.10.1980) including safety zone area over 6.77 ha Forest land for diversion under Section-2 (ii) of Forest (Conservation) Act, 1980. The certified status of the non-forest land, involved in the mining lease, depicts that 37.999 ha non-forest land in village Khandbandh, Guruda & Jaroli is Forest as on 25.10.1980. The certificate furnished by the Tahasildar, Barbil in this regard is enclosed as **Annexure- XI**. The total broken up land, involved in the mining lease, is 129.095 ha.

The instant diversion proposal has been submitted over 345.189 ha forest land, 97.217 ha Revenue Forest, 209.973 ha DLC Forest and 37.999 ha Non-forest land recorded as Forest as on 25th October 1980, for approval under Section 2(ii) of Forest (Conservation) Act, 1980.

The Mining Lease contains total mineable reserve of 22.574 million tonnes of Iron Ore. The annual production capacity is 1.00 million tonnes iron ore. This project will generate direct and indirect employment for more than 100 and 500 local tribal people respectively.

A.2. Physiography and Geological formation

Khandbandh Iron Ore mines of M/s OMC Ltd, located within longitude E 85° 23' 12.66888 " – 85° 24' 45.86016" and latitude N 21° 55' 40.27579" – 21° 57' 29.90066" in Survey of India topo sheet no. F 45 N 5, consists of Revenue Forest, DLC Forest land and Non-Forest land recorded as Forest as on 25.10.1980. This site falls under the physiographic-Joda Barbil plateau extending from Chamakpur to the boarder of Singhbhum of Jharkhand in north and boarder of Bonai in the west. This region is an extension southwards of Singhbhum rocks. This group of rocks comprising Trap, Tuffites, Shale, Quartzite, Phyllite, Banded Haematite Jasper and Banded Haematite Quartzite form high hill ranges with narrow deep valley. This region is characterised by massive deposit of iron and manganese are associated with B.H.J. and shales. The iron ores precipitates are in the form of oxide, carbonates, silicates and sulphides. The most characteristics feature of the iron ore i.e haematite is it's availability in the form of massive beds, pockets and large lensoid soil bodies. Hard massive, Laminated, Lateritoid & Blue dust are the major form of ore located in this physiographic zone. The mineable reserve of Iron ore established so far is 22.574 Million Ton of + 45 % Fe grade.

A.3. Floristic- Faunal Composition

The geological formation of this area is quite suitable for growth of Sal. Sal constitutes around 70 to 75% of the top canopy. The middle storey is un-conspicuous. The quality of Sal varies from all India Quality II to IV. Quality II sal is mainly confined to the valleys while Q III occurs on the hill slopes of moderate gradient. Q IV sal mainly confined in the ridges. Q I sal is completely absent.

The principal associates of Sal includes *Terminalia alata*, *Lagerstroemia perviflora*, *Anogeissus latifolia*, *Terminalia belerica*, *Syzygium cumini*, *Mangifera indica*, *Schleichera oleosa*, *Adina cordifolia*, *Pterocarpus marsupium*, *Bombax ceiba*, *Bridelia retusa*, *Madhuca indica*. The middle story is represented by *Syzygium cumini*, *Ougeinia ougenensis*, *Careya arborea*, *Treema orientalis*, *Emblica officinalis*, *Cassia fistula* etc. The shrubs and undergrowth are characterized by *Indigofera pulchella*, *Ardisia solenacea*, *Flemingia chhappar*, *Helicteres ixora* and *Clerodendron viscosum* etc. The prevailing climbers include *Bauhinia vahlii*, *Combretum decandrum* and *Beutia parviflora*. The grasses over the forest floor include *Chrysopogon aciculatus*, *Imperata cylindrica*, *Dicanthium carricosum*, *Cynodon dactylon* etc.

The canopy density of the prevailing forest growth in the adjacent Baitarani Reserved Forest varies from 0.2 to 0.8. The prevalence of pole crop to middle aged sal crop

in this area indicates the shifting cultivation in the past and the crop can therefore be considered to be secondary origin. But the secondary moist deciduous forest replacing primary forest of the same type is not differentiated as almost all the primary forests have been practically influenced by human interference. The prevailing forest growth & structure of the forest crop in the proposed forest land is categorised as 3C/C2e(iii) Moist Peninsular Valley Sal mainly “dense jungle mainly Sal” with canopy density 0.5.

Movement of wild elephants is often witnessed in Baitarani Reserved Forest and adjoining Forest land. The applied site falls under elephant habitat zone- 2 as mentioned by ORSAC, Bhubaneswar.

B. Documents and Undertakings as regards Forest Diversion Proposal

B.1. Maps

The user agency has furnished the required maps as depicted hereunder in the table produced below-

| Sl.No | Map Particulars | Scale | Reference |
|-------|---|------------|---------------------------------------|
| 1 | Location plan on the Survey of India Topo Sheet No. F 45 N 5, showing the ML boundary with adjoining lease. | 1:50000 | Plate- I |
| 2 | Granted lease map showing details of ML boundary. | 16”=1 mile | Plate- II |
| 3 | 2 nd revised Renewal lease map | 1:4000 | Plate- III |
| 4 | Plan showing existing pattern of utilisation | 1:4000 | Plate- IV |
| 5 | Proposed Land Use plan | 1:4000 | Plate- V |
| 6 | Geological Map of the ML area | 1:4000 | Plate- VI |
| 7 | Plan showing the area earmarked for Safety Zone. | 1:4000 | Plate- VII |
| 8 | Phased reclamation and afforestation plan | 1:4000 | Plate- VIII |
| 9 | Plan showing the non-forest area allotted for compensatory Afforestation in village Raidiha, Phuljhar and Sikulapada under Bansapal Tahasil of Keonjhar district and in village Balangi & Kerapai under Thuamul Rampur Tahasil of Kalahandi district. | 1:4000 | Plate No. IX (A), (B), (C), (D) & (E) |
| 10 | Geo-referenced Mining Lease map authenticated by a joint team and vetted by ORSAC | 1:3960 | Plate-X |
| 11 | DGPS map of the forest area included within the ML and proposed for diversion. | 1:4000 | Plate-XI |
| 12 | Plan showing the degraded forest land for CA in Baitarani RF | 1:4000 | Plate- XII |

B2. Forest Land

The granted lease over 366.311 ha involves 97.217 ha Village Forest, 209.973 ha DLC Forest land and 37.999 ha Non-Forest Land recorded as Forest as on 25.10.1980. The purpose wise break-up of 345.189 ha of forest land submitted for diversion, is produced hereunder-

Purpose wise breakup of the 345.189 ha of Forest Land

Table - 1
Existing land use in respect of 129.095 ha broken up forest land along with Non-Forest land involved in the project

| Sl. No. | Pattern of Utilization | Forest Area (in Ha) | | | | Non- Forest Area (in Ha) | | | G. Total |
|--------------|--|---------------------|---------------------------------|----------------|----------------------------------|--------------------------|-----------|---------------|----------------|
| | | R.F. | Revenue Forest | As per DLC | Total | Govt. land | Pvt. Land | Total | |
| 1 | (a) Mining (Quarry and float work) | | 10.833 *9.303 | 84.921 | 95.754 *9.303 | 9.303 | - | 9.303 | 105.057 |
| | (b) Ore stacking and dressing. | - | 0.210 *0.276 | 2.157 | 2.367 *0.276 | 0.276 | - | 0.276 | 2.643 |
| | Sub-total | - | 11.043 *9.579 | 87.078 | 98.121 *9.579 | 9.579 | - | 9.579 | 107.700 |
| 2 | Dump | - | 2.266 *8.178 | 17.223 | 19.489 *8.178 | 8.870 | - | 8.870 | 28.359 |
| 3 | Workshop, power station, dispensary, site services, garage, admin. office, statutory staff quarters etc. | - | *4.937 | 4.536 | 4.536 *4.937 | 4.937 | - | - | 9.473 |
| 4 | Mines road | - | 2.040 *2.634 | 4.334 | 6.374 *2.634 | 2.634 | - | 2.634 | 9.008 |
| 5 | Magazine | - | - | 0.575 | 0.575 | - | - | - | 0.575 |
| Total | | - | 15.349 *25.328 | 113.746 | 129.095 *25.328 | 26.020 | - | 26.020 | 155.115 |

* Non-forest area broken but recorded as forest as on 25.10.1980 is 25.328 ha.

Table -2
Proposed Land use of 345.189 ha forest land along with Non-Forest land involved in the project

| Proposed Land use of 345.189 ha forest land along with Non-Forest land involved in the project | | | | | | | | | | |
|---|---|---------------------------------|-------------------|-------------------|--|----------|------------------------|--------------|--------|------------------|
| Sl. No. | Purpose of Utilization | | Forest land in ha | | | | Non-forest land in ha. | | | Grand Total (ha) |
| | | | Revenue Forest | Forest as per DLC | Non-forest land recorded as forest as on 25.10.1980 (Sabik forest) | Total | Govt. Land | Private land | Total | |
| I | Mining | | 93.598 | 183.504 | 29.8888 | 306.9908 | 0.840 | - | 0.840 | 307.8308 |
| | Sub-grade dump | | 1.397 | 2.5030 | 0.865 | 4.765 | - | - | - | 4.765 |
| | Dumping of OB | | 0.0000 | 0.2590 | - | 0.259 | - | - | - | 0.259 |
| | Mineral storage | | 0.00 | 1.4950 | 2.5030 | 3.998 | - | - | - | 3.998 |
| | Infrastructure (Workshop, administrative building, site services, garage, etc.) | | 0.00 | 2.2990 | 2.977 | 5.276 | - | - | - | 5.276 |
| | Mines road | | 0.00 | - | 0.6432 | 0.6432 | - | - | - | 0.6432 |
| | Magazine & its safety zone (228 m radius). | | - | 16.3380 | - | 16.3380 | - | - | - | 16.3380 |
| | Safety zone area | 7.5 m along ML boundary | 2.2220 | 3.4720 | 1.076 | 6.7700 | 0.283 | 0.840 | 1.123 | 7.8930 |
| | | 10 m on either side of the road | 0.00 | 0.1030 | 0.0460 | 0.1490 | 0.027 | 0.235 | 0.262 | 0.411 |
| Total | | | 97.2170 | 209.973 | 37.999 | 345.189 | 1.150 | 1.075 | 2.225 | 347.414 |
| II | Tenanted land | | - | - | - | - | 1.767 | 17.130 | 18.897 | 18.897 |
| Grand Total | | | 97.2170 | 209.973 | 37.999 | 345.189 | 2.917 | 18.205 | 21.122 | 366.311 |
| *7.318 ha of forest land for mining & 2.144 ha of forest land for sub-grade dump (Total: 9.462 ha) out of 16.338 ha earmarked for magazine & its safety zone area will be utilized at the conceptual stage. | | | | | | | | | | |

*7.318 ha of forest land for mining & 2.144 ha of forest land for sub-grade dump (Total: 9.462 ha) out of 16.338 ha earmarked for magazine & its safety zone area will be utilized at the conceptual stage.

B.3 Tree Enumeration.

There are 8639 nos. of sound, 12843 Nos. of unsound trees in the virgin forest land over 216.094 ha and 2241 nos. of sound, 9530 Nos. of unsound trees in the broken up forest land over 129.095 ha enumerated over 345.189 ha forest land involved in the Mining Lease in the instant proposal. The species wise and diameter class wise abstract of enumerated trees in respect of virgin and broken up land in separate sheets is enclosed as **Annexure- XXXVII.**

B.4 Cost benefit analysis.

The Cost Benefit analysis has been worked out as per the guide lines of Forest (Conservation) Act, 1980 and enclosed in the proposal as **Annexure- XV(B).** The Cost Benefit ratio is 1:10.36.

B.5 Re-settlement and Rehabilitation.

The project does not involve displacement of any human habitation. Therefore, Re-settlement and Rehabilitation plan is not insisted upon.

B.6. Safety Zone

The mining lease granted over 366.311 ha involves 97.217 ha Revenue Forest, 209.973 ha DLC Forest land and 37.999 ha Non-Forest Land recorded as Forest as on 25.10.1980. The total Non-Forest land involved in the mining lease is 21.122 ha. The total forest land including non-forest land recorded as Forest as on 25.10.1980 located in the safety zone 7.5 mtr strip all along the inner side of the M.L. Boundary of the mining lease is 6.77 ha. The details of Forest and Non-Forest land located in the safety zone of the mining lease, in respect of the submitted diversion proposal, is furnished hereunder-

DETAILS OF SAFETY ZONE AREA

| Sl. No. | Particulars | Revenue Forest (ha) | Forest as per DLC (ha) | Sabik Kisam Forest | Total (ha) | Non-Forest (ha) | Total (ha) |
|--------------|---|---------------------|------------------------|--------------------|--------------|-----------------|--------------|
| 1 | 7.5 mtr strip all along the inner side of the M.L. Boundary (Length: 10.52 km X 7.5 mtr). | 2.222 | 3.472 | 1.076 | 6.770 | 1.123 | 7.893 |
| 2 | 10 mtr width on either side of the village road (Length: 0.41 km X 10 mtr). | 0.00 | 0.103 | 0.046 | 0.149 | 0.262 | 0.411 |
| TOTAL | | 2.222 | 3.575 | 1.122 | 6.919 | 1.385 | 8.304 |

B.7. Concurrent Reclamation Plan.

No reclamation has been carried out till date. Reclamation will be done as per provision of the approved mining plan.

B.8. Lease Profile

The lease profile, furnished by the User Agency, is enclosed as **Annexure- XXX** in the diversion proposal.

B.9. District Profile

The district profile in the prescribed proforma vide Annexure- VII of FC Act guideline is annexed herewith as **Annexure – XXXV.**

B.10. Compliance of the conditions stipulated in the Earlier Approvals (Stage-I and Stage-II) under FC Act,1980

No approval has been obtained under Section 2 of Forest (Conservation) Act, 1980.

B.11. Compliance to Statute(s),circular & directives issued by Govt. of India, MoEF as applicable to the project which came in to force after grant of earlier approval.

No approval has been obtained under Section 2 of Forest (Conservation) Act, 1980.

B.12. Certificate under FRA, 2006

In compliance to the provisions of the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forests Rights) Act, 2006, certificate has been issued by the Collector, Keonjhar over 345.189 ha (over 294.53 ha of forest land vide letter no. 2494/Rev dt. 02.12.2013 and over 50.866 ha of forest land vide letter no. 263 dt. 22.02.2017). Documents are enclosed as **Annexure- XXXIV** and **Annexure- XXXIV(A)** of the Diversion Proposal.

The Tahasildar, Barbil has intimated vide his letter No.799 dated 12.02.2018 that, 11 persons in Village Khandabandh & 7 persons of Village Guruda has been encroached within the mining lease area of Khandabandh Iron & Manganese Mines of OMC Ltd. The details list of encroachers along with area & Kissam is furnished hereunder.

| Sl No. | Name of the Encroacher's | Name of the Village | Area in Ha | Kissam | Remarks |
|--------|---|---------------------|------------|---------------|---------------------|
| 1. | Sudarsan Sinku, S/o- Saron Sinku | Khandabandh | 0.0323 | Bajephasal-II | Sabik Kissam Jungle |
| 2. | Champia Munda, S/o- Routa Munda | -do- | 0.0809 | -do- | -do- |
| 3. | Raibari Hembram, W/o- Late- Pandu Munda | -do- | 0.0728 | -do- | -do- |
| 4. | Sunia Munda, S/o- Routa Munda | -do- | 0.0323 | -do- | -do- |
| 5. | Trilochan Munda, S/o- Samlal Munda | -do- | 0.0364 | -do- | -do- |
| 6. | Budhram Champia, S/o-Kanhu Champia | -do- | 0.0283 | -do- | -do- |
| 7. | Mangra Oram | -do- | 0.0161 | Rasta | -do- |
| 8. | Surendra Mohan Sahu | -do- | 0.0242 | -do- | -do- |
| 9. | Dabara Munda, S/o- Sutar Munda | -do- | 0.0161 | Bajephasal-II | -do- |
| 10. | PrabhuSahay Hesa, S/o-Mistar Hesa | -do- | 0.0242 | Sarada-II | -do- |
| 11. | Suklal Munda, S/o- Sutar Munda | -do- | 0.0242 | Sarada-II | -do- |
| 12. | Sunia Munda, S/o- Bansi Munda | Guruda | 0.0161 | Gramya Jungle | -do- |

| | | | | | |
|-----|---|------------|--------|---------|-----------------------|
| 13. | Dagi Munda, S/o- Budhuram Munda | -do- | 0.0242 | -do- | Sabik Kison Jungle |
| 14. | Tulasi Munda, W/o- Late- Kalia Munda | Guruda | 0.0202 | -do- | -do- |
| 15. | Dagi Munda, S/o- Rout Munda | -do- | 0.0242 | -do- | -do- |
| 16. | Kandarpa Naik | Guruda | 0.0080 | -do- | -do- |
| 17. | M.G.Mohanty | -do- | 0.2428 | Taila-I | -do- |
| 18. | Sriram Munda, S/o- Machia Munda | -do- | 0.0242 | -do- | -do- |
| | | Total Area | 0.7475 | | |

That, title (patta) over an area of 0.12 decimal of DLC forest land in Khata No.40, Plot No. 64/3 & 64/9 settled under FRA, 2006 by competent authority to Sankari Munda, W/o-Late- Lakhan Munda of Khandbandh within the lease hold area of Khandbandh Iron & Manganese Mines of M/s. OMC Ltd.

B.13. Site Inspection Report of DCF

Site Inspection report of the Deputy Conservator of Forests, Keonjhar Division is furnished as **Annexure- XXXVI**.

B.14. DGPS maps

The DGPS map signed by all concerned officials of Revenue, Mining and Forest Dept., validated by ORSAC and duly countersigned by the undersigned is enclosed as **Plate-XI**. The area as per land schedule and that of DGPS map involved in the submitted diversion proposal is produced below-

| Sl No. | Category of Forest Land | Area applied for (in ha) | Area as per DGPS Map (in ha) | Difference | Remarks |
|--------|--|--------------------------|------------------------------|------------|----------|
| 1 | Revenue Forest land | 97.219 | 97.179 | 0.04 | 0.0004%↓ |
| 2 | DLC Forest land | 209.974 | 210.016 | 0.042 | 0.0419%↑ |
| 3 | Non-forest land recorded as Forest as on 25.10.1980. | 37.996 | 37.873 | 0.123 | 0.1233%↓ |
| | Total | 345.189 | 345.068 | | |

NB- The mentioned forest area in the DGPS map is 97.219 ha-Revenue Forest, 209.974 ha-DLC Forest and 37.996 ha Non-forest land recorded as Forest as on 25.10.1980. But as per certified copy of Tahasildar, Barbil the forest area is 97.217 ha Revenue Forest, 209.973 ha-DLC Forest and 37.999 ha Non-forest land recorded as Forest as on 25.10.1980. The total forest area 345.189 ha is same as per DGPS survey and certified copy of land schedule by Tahasildar, Barbil.

C. Compensatory Levies

C.1. Compensatory Afforestation

| | | | |
|-----|---------------------------------------|---|------------|
| I | Total Mining Lease area | - | 366.311 ha |
| II | Forest area involved in the ML | - | 345.189 ha |
| III | Forest area already diverted | - | Nil |
| IV | Forest area covered under safety zone | - | 6.77 ha |
| V | Forest land to be kept un-diverted | - | -- |
| VI | Forest area applied for diversion | - | 345.189 ha |

| | | | |
|-----|---|---|-------------------|
| VII | Total broken forest land involved in the mining lease | - | 129.095 ha |
| VII | Land Required for Compensatory Afforestation | - | 209.324 ha |
| | For point No. IV & VII CA is not required as per FC guideline para 3.2(viii). | | |

Non-forest land, equal in extent the forest land submitted for diversion over 345.189 ha under Sec 2(ii) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land in the following villages:

| Sl. No | Forest Division | Tahasil | Revenue village | Khata No. | Plot No. | Area in ha |
|-------------|-----------------|----------------|-----------------|-----------|----------|------------|
| 1 | Kalahandi South | Thuamul Rampur | Kerapai | 51-AAA | 307 | 10.886 |
| | | | | | 311 | 8.106 |
| | | | | | 365 | 5.354 |
| | | | | | 366 | 9.543 |
| | | | | | 367 | 4.755 |
| | | | Total | | 38.644 | |
| 2 | Kalahandi South | Thuamul Rampur | Balangi | 122-AAA | 196 | 11.000 |
| | | | Total | | | 11.000 |
| 3 | Keonjhar | Bansapal | Sikulapada | 51 | 10 | 16.000 |
| | | | | | 11(P) | 11.700 |
| | | | | | 317(P) | 17.100 |
| | | | | | 176(P) | 17.258 |
| | | | Total | | 62.058 | |
| 4 | Keonjhar | Bansapal | Phuljhar | 154 | 1836(P) | 3.833 |
| | | | | | 1945 | 10.086 |
| | | | | | 1946 | 15.598 |
| | | | | | 1969 | 12.344 |
| | | | | | 1970 | 4.536 |
| | | | Total | | 46.397 | |
| 5 | Keonjhar | Bansapal | Raidiha | 35 | 136(P) | 9.2310 |
| | | | | | 137 | 15.2000 |
| | | | | | 138(P) | 15.7472 |
| | | | | | 139(P) | 6.6602 |
| | | | | | 295(P) | 4.3866 |
| | | | Total | | 51.2250 | |
| Grand Total | | | | | | 209.324 |

In addition, degraded forest land over 206.00 ha has been identified in Baitarani RF (Near village Mukundapur- 156.00 ha & Mirgsingha- 50.00 ha) under Champua Range ANR model @400 plants/ ha.

C2. Net Present Value (NPV)

The mining lease granted over 366.311 ha involves 345.189 ha Forest land & 21.122 ha Non-Forest Land. NPV has been deposited in respect of 294.53 ha forest land included in the mining lease as depicted hereunder-

| Sl No. | Forest Area in ha | Eco Value Class | Canopy Density | The then applicable Rate in Rs. | NPV Deposited in Rs. |
|--------|--|-----------------|----------------|---------------------------------|----------------------|
| 1 | Total broken land involved in the mining lease 129.095 ha. | I | 0.1 | 580000/- | 74875100.00 |
| 2 | Total virgin land involved in the mining lease 165.435 ha | I | 0.3 | 730000/- | 120767550.00 |
| | Total-294.53 ha | | | | 195642650.00 |

N.B:- NPV is due over balance 50.659 ha (345.189 ha – 294.53 ha) of forest land. The Addl. General Manager (Geo), Power of Attorney Holder, M/s OMC Ltd undertakes to deposit the balance NPV as per applicable rate.

C3. Wild Life Management- Site Specific Wildlife Conservation Plan and Regional Wildlife Management Plan.

Site Specific Wildlife Conservation Plan has been approved by the PCCF, (Wildlife) & CWLW, Odisha vide memo No. 6000/1WL (C) SSP-314/2011 dt 06.09.2011 with a financial outlay of Rs. 216.00 Lakh (Rs. 46.00 Lakh for the project area to be implemented by User Agency and Rs. 170.00 Lakhs for the project impact area to be implemented by DFO, Keonjhar). The demand notice has been issued to the User Agency to deposit of approved financial outlay of Rs. 170.00 lakh vide this office letter No. 1070 dated 07.02.2013 and subsequent reminder has been issued vide letter No. 3187 dated 24.04.2013. The user agency has not deposited the said amount till date.

D. Statutory Clearances

D.1. Forest Clearance

No forest land has been diverted under section- 2(ii) of FC Act, 1980.

D.2. Mining Plan/ Mining Scheme

The Mining Scheme along with Progressive Mine Closure Plan has been approved by IBM vide No. MPM/FM/14-ORI/BHU/2015-16/1605 dt. 14.09.2016 with validity up to 31.03.2018. The copy of the approved scheme is enclosed as **Annexure- XIII** of the Diversion Proposal.

D.3. Environmental Clearance

The User Agency has obtained Environmental Clearance vide letter No. J-11015/1081/2007-IA.II (M) dt 15.12.2008 of Govt. of India, MoEF for production of 1.0 Million ton of Iron ore. The copy of the approved Environmental Clearance is enclosed as **Annexure- XXVII** of the Diversion Proposal.

D.4. Consent to Operate from SPCB, Odisha

The State Pollution Control Board, Odisha has issued Consent to operate vide letter No. 20359/Ind-I-Con-243 dt 24.09.2012 which was valid up to 31.03.2013. The Copy of the Consent to Operate Order is enclosed as **Annexure – XXIX** of the Diversion Proposal.

E. Miscellaneous Information

E.1. Violation and Action Taken thereof.

Violation

Illegal production of iron ores for the period 1994-95 to 2009-10 in respect of Revenue, Village & DLC Forest.

Action taken

The Collector, Keonjhar has been requested to take legal action as deem proper as per prevailing Act & Rules vide this office letter No. 8434 dated 11.12.2014 for and action taken report is awaited.

E.2. Pending Court Matters.

As reported by the User Agency a case is pending in the Court of JMFC, Barbil, for violation working of the mine without Environmental Clearance. Report of the User Agency is enclosed herewith as **Annexure - XXXV** for kind perusal.

E.3. Shah Commission observations

- TWP sanctioned for one year from 10.07.1995 to 09.07.1996.
- There have been continuous production from 2001 onwards without EC from the Non forest area (as claimed by UA)
- Google imagery shows mining has been done in DLC area. Forest department to verify in the field.

Action taken

The lessee was working in non-forest area. Since the lease involved both forest and non-forest area without obtaining forest clearance under FC Act 1980.

The lessee was issued closure notice vide this office Letter No. 7001 dt. 23.12.2009.

E.4. Brief details as regards approval/ leases owned by the same project proponent.

The brief details as regards the approvals/ leases owned by the project proponent along with the current status of the projects/ leases is enclosed as **Annexure- XXX** of the Diversion Proposal.

E.5. Compliance of the order dated 01.09.2014 of the Hon'ble Supreme Court in I.A No. 204 and 219, 223 in I.A. No. 204 and I.A No. 224 in I.A. No. 215 in W.P.(C) 562/2009 read with I.A No. 212 in W. P (C) 562/2009.

Proposal for diversion of 345.189 ha forest land involved in the mining lease area over 366.311 ha of Khandbandh Iron Ore Mines of M/s OMC Ltd in Keonjhar district, Odisha, has been received online from the Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act. O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar vide No. FP/OR/MIN/8707/2014, State Sl. No. OR-012/2017 on dated 20.03.2017. Essential Details in connection with the said proposal was sought for from the User Agency on dated 22.03.2017 and 23.08.2017. The compliance submitted by the User Agency, in respect of the EDS dated 22.03.2017 and 23.08.2017, has been received by this office dated 19.08.2017 and 25.09.2017 respectively. The aforesaid proposal is forwarded to the RCCF, Rourkela Circle through Online portal dated 17.12.2017 towards examination of factual details and feasibility of the proposal, map certification, site inspection and tree enumeration.

The submitted diversion proposal over 345.189 ha of Forest land including 6.77 ha of Safety zone, in the 2nd renewal of the mining lease, is forwarded herewith for approval as per provision under section -2(ii) of Forest (Conservation) Act, 1980.

Enclosure- Diversion proposal along with requisite documents.


Divisional Forest Officer,
Keonjhar Division.

Memo No. 1435 /**Dated** 08.03.2018

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



Divisional Forest Officer,
(Keonjhar Division.

PART-II
(To be filled by the concerned Deputy Conservator of Forests)

7. Location of the Project/Scheme.

| (i) State/Union Territory. | | Odisha. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------------------|-------------------|--|-------------------|--------|--|-------|----------------|-------------------|--|---|--------|--------|---------|---------|----------|----------------|-------|--------|-------|-------|---------------|--------|--------|---|-------|-----------------|------|--------|--------|-------|---|------|--------|-------|-------|------------|------|---|--------|--------|--|---|---------|---|---------|------------------|-------------------------|--------|--------|-------|--------|---------------------------------|------|--------|--------|--------|--------------|--|----------------|----------------|---------------|----------------|----|---------------|---|---|---|---|--------------------|--|----------------|----------------|---------------|----------------|
| (ii) District. | | Keonjhar. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (iii) Forest Division. | | Keonjhar Forest Division. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (iv) Area of Forest land proposed for diversion (in ha.) | <p>The area of the forest land proposed for diversion is 345.189 ha. The detailed pattern of utilization in respect of the applied forest land is produced hereunder-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sl. No.</th> <th rowspan="2">Purpose of Utilization</th> <th colspan="3">Forest land in ha</th> <th rowspan="2">Total</th> </tr> <tr> <th>Revenue Forest</th> <th>Forest as per DLC</th> <th>Non-forest land recorded as forest as on 25.10.1980 (Sabik forest)</th> </tr> </thead> <tbody> <tr> <td rowspan="9">I</td> <td>Mining</td> <td>93.598</td> <td>183.504</td> <td>29.8888</td> <td>306.9908</td> </tr> <tr> <td>Sub-grade dump</td> <td>1.397</td> <td>2.5030</td> <td>0.865</td> <td>4.765</td> </tr> <tr> <td>Dumping of OB</td> <td>0.0000</td> <td>0.2590</td> <td>-</td> <td>0.259</td> </tr> <tr> <td>Mineral storage</td> <td>0.00</td> <td>1.4950</td> <td>2.5030</td> <td>3.998</td> </tr> <tr> <td>Infrastructure (Workshop, administrative building, site services, garage, etc.)</td> <td>0.00</td> <td>2.2990</td> <td>2.977</td> <td>5.276</td> </tr> <tr> <td>Mines road</td> <td>0.00</td> <td>-</td> <td>0.6432</td> <td>0.6432</td> </tr> <tr> <td>Magazine & its safety zone (228 m radius).</td> <td>-</td> <td>16.3380</td> <td>-</td> <td>16.3380</td> </tr> <tr> <td rowspan="2">Safety zone area</td> <td>7.5 m along ML boundary</td> <td>2.2220</td> <td>3.4720</td> <td>1.076</td> <td>6.7700</td> </tr> <tr> <td>10 m on either side of the road</td> <td>0.00</td> <td>0.1030</td> <td>0.0460</td> <td>0.1490</td> </tr> <tr> <td colspan="2">Total</td> <td>97.2170</td> <td>209.973</td> <td>37.999</td> <td>345.189</td> </tr> <tr> <td>II</td> <td>Tenanted land</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td colspan="2">Grand Total</td> <td>97.2170</td> <td>209.973</td> <td>37.999</td> <td>345.189</td> </tr> </tbody> </table> <p>*7.318 ha of forest land for mining & 2.144 ha of forest land for sub-grade dump (Total: 9.462 ha) out of 16.338 ha earmarked for magazine & its safety zone area will be utilized at the conceptual stage.</p> | | Sl. No. | Purpose of Utilization | Forest land in ha | | | Total | Revenue Forest | Forest as per DLC | Non-forest land recorded as forest as on 25.10.1980 (Sabik forest) | I | Mining | 93.598 | 183.504 | 29.8888 | 306.9908 | Sub-grade dump | 1.397 | 2.5030 | 0.865 | 4.765 | Dumping of OB | 0.0000 | 0.2590 | - | 0.259 | Mineral storage | 0.00 | 1.4950 | 2.5030 | 3.998 | Infrastructure (Workshop, administrative building, site services, garage, etc.) | 0.00 | 2.2990 | 2.977 | 5.276 | Mines road | 0.00 | - | 0.6432 | 0.6432 | Magazine & its safety zone (228 m radius). | - | 16.3380 | - | 16.3380 | Safety zone area | 7.5 m along ML boundary | 2.2220 | 3.4720 | 1.076 | 6.7700 | 10 m on either side of the road | 0.00 | 0.1030 | 0.0460 | 0.1490 | Total | | 97.2170 | 209.973 | 37.999 | 345.189 | II | Tenanted land | - | - | - | - | Grand Total | | 97.2170 | 209.973 | 37.999 | 345.189 |
| Sl. No. | Purpose of Utilization | Forest land in ha | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Revenue Forest | Forest as per DLC | Non-forest land recorded as forest as on 25.10.1980 (Sabik forest) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | Mining | 93.598 | 183.504 | 29.8888 | 306.9908 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sub-grade dump | 1.397 | 2.5030 | 0.865 | 4.765 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dumping of OB | 0.0000 | 0.2590 | - | 0.259 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mineral storage | 0.00 | 1.4950 | 2.5030 | 3.998 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Infrastructure (Workshop, administrative building, site services, garage, etc.) | 0.00 | 2.2990 | 2.977 | 5.276 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mines road | 0.00 | - | 0.6432 | 0.6432 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Magazine & its safety zone (228 m radius). | - | 16.3380 | - | 16.3380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Safety zone area | 7.5 m along ML boundary | 2.2220 | 3.4720 | 1.076 | 6.7700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 m on either side of the road | 0.00 | 0.1030 | 0.0460 | 0.1490 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 97.2170 | 209.973 | 37.999 | 345.189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II | Tenanted land | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Total | | 97.2170 | 209.973 | 37.999 | 345.189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (v) Legal status of Forest. | <p>Revenue Forest land: 97.2170 ha DLC Forest land: 209.9730 ha Non-Forest land recorded as forest as on 25.10.1980: 37.9990 ha Total: 345.189 ha</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (vi) Density of vegetation. | <p>Eco Value Class has been treated as "Eco Value Class - I" based on proximate location – Baitarani Reserved Forest and the canopy density has been considered at par with the adjoining vegetation of Baitarani RF. The canopy density is 0.5.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (vii) Species wise (Scientific names) and diameter class wise enumeration of trees in unbroken/broken area. | <p>Species wise and diameter class wise abstract of trees enumerated in respect of applied forest land is enclosed as Annexure- XXXVII.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (viii) Brief note on vulnerability of the forest area to erosion | <p>Soil erosion is likely to increase following felling of trees in the undulating topography.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| (ix) Approximate distance of the proposed site for diversion from boundary of forest. | The proposed site for diversion is in contiguous with Baitarani Reserved Forest. |
| (x) Whether forms part of National Park, Wild Life Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. (If so, the details of the area and comments of the Chief Wild Life Warden to be annexed. | The applied area does not form part of any National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. Movement of wild elephants is often witnessed in the applied forest land and adjoining RF. The applied site falls under elephant habitat zone- 2 as mentioned by ORSAC, Bhubaneswar. |
| (xi) Whether any rare/endangered/unique species of Flora and Fauna found in the area if so, details there of | No rare or endangered species is available in the applied area for diversion but movement of wild elephants is often witnessed in the applied forest land and adjoining RF. |
| (xii) Whether any protected Archeological/heritage site/ defence establishment or any other important Monument is located in the area. If so, details thereof with NOC from competent Authority, if required. | No archeological/heritage site/ defense establishment or any other important Monument is located in the area. |
| 8. Whether the requirement of forest land as proposed by the User Agency in column 2 of Part I is un-avoidable and barest minimum for the project. If no, recommended area item wise with details of alternatives examined. | The User Agency has applied for diversion over 345.189 ha of forest land for purpose of mining and other ancillary activities. Hence, the proposal for diversion over 345.189 ha of forest land is recommended for approval. |
| 9. Whether any work in violation of the Act has been carried out (Yes/No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress. | <p><u>Violation</u> Illegal production of iron ores for the period 1994-95 to 2009-10 in respect of Revenue, Village & DLC Forest.</p> <p><u>Action taken</u> The Collector, Keonjhar has been requested to take legal action as deem proper as per prevailing Act & Rules vide this office letter No. 8434 dated 11.12.2014 for and action taken report is awaited.</p> |
| 10. Details of compensatory afforestation scheme: (i) Details of non-forest area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch. | <p><u>Details of Non-Forest Land</u> – The Non-Forest Govt. land identified in villages Sikulapada, Raidiha and Phuljhar under Banspal Tahasil of Keonjhar Division in Keonjhar District is suitable for Compensatory Afforestation under ANR model. Also Non-Forest Govt. land identified over 38.644 ha in village Kerapai and 11.00 ha in village Balangi under Thuamul Rampur Tahasil of Kalahandi (S) Division in Kalahandi District is suitable, as certified by DFO, Kalahandi (S), for Compensatory afforestation under AR model @1600 plants/ha. The details are as follows-</p> <p><u>CA scheme over 159.68 ha in villages Sikulapada, Raidiha and Phuljhar</u></p> <p>Distance from adjoining forest –0.00 Km</p> <p>Number of Patches – 3</p> |

| | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|-----------------------|------------------|----------------------------|----------------------|------------------|------------------|------------------------|------------------|------------------|------------------------|------------------|---------------|-----------------------|------------------|--------------|--|----------------------------|
| | <p>Size - 159.68 ha</p> <p><u>CA scheme over 38.644 ha in village Kerapai</u></p> <p>Distance from adjoining forest –2.1 Km</p> <p>Number of Patches – 1</p> <p>Size - 38.644 ha</p> <p><u>CA scheme over 11.00 ha in village Balangi</u></p> <p>Distance from adjoining forest –0.3 Km</p> <p>Number of Patches – 1</p> <p>Size - 11.00 ha</p> <p>Degraded forest land over 206.00 ha has been identified in Baitarani RF under Champua Range ANR model @400 plants/ ha.</p> <table><tr><td>Sikulapada village-</td><td>45.00 ha x 800 nos. =</td><td>36,000 seedlings</td></tr><tr><td>Phulhar & Raidiha village-</td><td>42.00 ha x 400 nos.=</td><td>16,800 seedlings</td></tr><tr><td>Balangi village-</td><td>10.877 ha x 1600 nos.=</td><td>17,403 seedlings</td></tr><tr><td>Kerapai village-</td><td>36.492 ha x 1600 nos.=</td><td>58,387 seedlings</td></tr><tr><td>Baitarani RF-</td><td>206.00 ha x 400 nos.=</td><td>82,400 seedlings</td></tr><tr><td>Total</td><td></td><td>=2,10,990 seedlings</td></tr></table> | Sikulapada village- | 45.00 ha x 800 nos. = | 36,000 seedlings | Phulhar & Raidiha village- | 42.00 ha x 400 nos.= | 16,800 seedlings | Balangi village- | 10.877 ha x 1600 nos.= | 17,403 seedlings | Kerapai village- | 36.492 ha x 1600 nos.= | 58,387 seedlings | Baitarani RF- | 206.00 ha x 400 nos.= | 82,400 seedlings | Total | | =2,10,990 seedlings |
| Sikulapada village- | 45.00 ha x 800 nos. = | 36,000 seedlings | | | | | | | | | | | | | | | | | |
| Phulhar & Raidiha village- | 42.00 ha x 400 nos.= | 16,800 seedlings | | | | | | | | | | | | | | | | | |
| Balangi village- | 10.877 ha x 1600 nos.= | 17,403 seedlings | | | | | | | | | | | | | | | | | |
| Kerapai village- | 36.492 ha x 1600 nos.= | 58,387 seedlings | | | | | | | | | | | | | | | | | |
| Baitarani RF- | 206.00 ha x 400 nos.= | 82,400 seedlings | | | | | | | | | | | | | | | | | |
| Total | | =2,10,990 seedlings | | | | | | | | | | | | | | | | | |
| (ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries. | Map showing the Non-forest land identified for compensatory afforestation and degraded forest land adjoining forest boundaries is enclosed as Plate No- XII. | | | | | | | | | | | | | | | | | | |
| (iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc. | Scheme for compensatory afforestation, prepared by DFO, Kalahandi (S) Division and DFO, Keonjhar Division is enclosed as Annexure- XXII(A), XXII(B), XXIII & XXIII(A). | | | | | | | | | | | | | | | | | | |
| (iv) Total financial outlay for compensatory afforestation scheme. | Rs.-8,78,44,761.00 | | | | | | | | | | | | | | | | | | |
| (v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests). | <p>The Non-Forest Govt. land identified over 159.68 ha in villages Sikulapada, Raidiha and Phuljhar under Banspal Tahasil of Keonjhar Division in Keonjhar District is suitable, as certified by DFO, Keonjhar Division, for Compensatory Afforestation under ANR model. Degraded forest land over 206.00 ha has been identified in Baitarani RF under Champua Range ANR model @400 plants/ ha.</p> <p>Also Non-Forest Govt. land identified over 38.644 ha in village Kerapai and 11.00 ha in village Balangi under Thuamul Rampur Tahasil of Kalahandi (S) Division in Kalahandi District is suitable, as certified by DFO, Kalahandi (S), for Compensatory afforestation under AR model @1600 plants/ha.</p> | | | | | | | | | | | | | | | | | | |
| 11. Site Inspection report of the DCF (to be enclosed) especially highlighting facts asked in column 7 (xi,xii) 8 and 9 above. | Site Inspection report of the DCF is enclosed vide Annexure – XXXVI. | | | | | | | | | | | | | | | | | | |
| 12. Division/District Profile. | | | | | | | | | | | | | | | | | | | |
| (i) Geographical area of the district. | 830300.000 ha | | | | | | | | | | | | | | | | | | |
| (ii) Forest area of the district. | 336615.6293 ha | | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| (iii) Total Forest area diverted since 1980 with numbers. | 10319.8016 ha (76 Nos.) |
| (iv) Total compensatory afforestation stipulated in the District/Division since 1980 on (a) Forest land including Penal compensatory afforestation. (b) Non-forest land. | C.A. 1669.6180 ha. P.C.A. <u>4994.8675 ha.</u> C.A- 7247.7931ha. |
| (v) Progress of Compensatory afforestation as on (date) (a) Forest land (b) Non-forest land. | C.A. 1152.58 ha. P.C.A. <u>2996.34 ha.</u> C.A 5983.9016 ha. |
| 13. Specific recommendation of the D.C.F. for acceptance or other wise of the proposal with reasons. | Khandbadh Iron Ore Mines of M/s OMC Ltd, granted over 366.311 ha, involves 97.217 ha Revenue Forest, 209.973 ha DLC Forest land and 37.999 ha Non-Forest land recorded as forest as on 25.10.1980. The proposed area is unavoidable and the barest minimum for the purpose of mining. There is no sign of prevalence of endangered, threatened and vulnerable wild fauna in the said area except movement of wild elephant often noticed in the fringed areas. The proposed land use plan for the said area involves adequate safe guard measures for maintaining ecological stability. The proposed diversion of forest land will not attract displacement of people. The said proposal, is therefore, submitted for necessary approval under Sec 2(ii) of FC Act, 1980 taking the aforesaid fact into consideration. |

Date : 08.03.2018
Place. Keonjhar


 Signature.
Name: Sri Santosh Joshi, IFS
Official Seal.
Divisional Forest Officer
Keonjhar Division

SITE INSPECTION REPORT

| | | |
|----|---|---|
| 1. | Name of the Project. | Khandbandh Iron Ore Mines of M/s OMC Ltd. |
| 2. | Name of District/ Division. | Keonjhar/ Keonjhar Forest Division. |
| 3. | Date of Inspection. | 03.11.2017 |
| 4. | Name and designation of Inspecting Officer. | Sri Santosh Joshi, I.F.S. Divisional Forest Officer, Keonjhar Division. |
| 5. | Name and designation of the Officers who attended the Inspection including representative of user agency. | Shri Ghanashyam Barik Dy. Range Officer, Champua Range. Representative of the User Agency. Mr. Manoj Kumar Sethy, Mines Manager, Khandbandh Iron Ore Mines of M/s OMC Ltd |
| 6. | Legal Status of the Forest land with area Proposed for diversion | Revenue Forest land : 97.2170 ha DLC Forest land : 209.9730 ha Non-Forest land recorded as forest as on 25.10.1980: 37.999 ha Total: 345.189 ha |
| 7. | If area required for diversion has been demarcated on the ground. | Yes |

8. Item wise break up of forest land proposed for diversion.

| Sl. No. | Purpose of Utilization | | Forest land in ha | | | |
|---------|---|---------------------------------|-------------------|-------------------|--|----------------|
| | | | Revenue Forest | Forest as per DLC | Non-forest land recorded as forest as on 25.10.1980 (Sabik forest) | Total |
| I | Mining | | 93.598 | 183.504 | 29.8888 | 306.9908 |
| | Sub-grade dump | | 1.397 | 2.5030 | 0.865 | 4.765 |
| | Dumping of OB | | 0.0000 | 0.2590 | - | 0.259 |
| | Mineral storage | | 0.00 | 1.4950 | 2.5030 | 3.998 |
| | Infrastructure (Workshop, administrative building, site services, garage, etc.) | | 0.00 | 2.2990 | 2.977 | 5.276 |
| | Mines road | | 0.00 | - | 0.6432 | 0.6432 |
| | Magazine & its safety zone (228 m radius). | | - | 16.3380 | - | 16.3380 |
| | Safety zone area | 7.5 m along ML boundary | 2.2220 | 3.4720 | 1.076 | 6.7700 |
| | | 10 m on either side of the road | 0.00 | 0.1030 | 0.0460 | 0.1490 |
| | Total | | 97.2170 | 209.973 | 37.999 | 345.189 |
| II | Tenant land | | - | - | - | - |
| | Grand Total | | 97.2170 | 209.973 | 37.999 | 345.189 |

*7.318 ha of forest land for mining & 2.144 ha of forest land for sub-grade dump (Total: 9.462 ha) out of 16.338 ha earmarked for magazine & its safety zone area will be utilized at the conceptual stage.

| | | |
|-----|--|--|
| 9. | Condition of Vegetation and type of forest in the applied area. | <p>The forest land applied for diversion is situated contiguous with Baitarani RF and has been depicted as "dense jungle mainly Sal" on concerned Topo sheet. Therefore, the condition of vegetation has been treated at par with the adjoining Baitarani Reserved Forest. The adjoining Reserved Forests come under the group 3C/C2e (iii) Moist Peninsular Valley Sal. The prevailing vegetation consists of Sal and its associates. The principal associates of Sal include <i>Terminalia alata</i>, <i>Lagerstroemia perviflora</i>, <i>Anogeissus latifolia</i>, <i>Terminalia belerica</i>, <i>Syzygium cumini</i>, <i>Mangifera indica</i>, <i>Schleichera oleosa</i>, <i>Adina cordifolia</i>, <i>Pterocarpus marsupium</i>, <i>Bombax ceiba</i>, <i>Bridelia retusa</i>, <i>Madhuca indica</i>. The middle story is represented by <i>Syzygium cumini</i>, <i>Ougeinia ougenensis</i>, <i>Careya arborea</i>, <i>Treema orientalis</i>, <i>Embllica officinalis</i>, <i>Cassia fistula</i> etc. The Shrubs and undergrowth are characterized by <i>Indigofera pulchella</i>, <i>Ardisias olenacea</i>, <i>Flemingia chhappar</i>, <i>Helicter esixora</i> and <i>Clerodendron viscosum</i> etc. The prevailing climbers include <i>Bauhinia vahlii</i>, <i>Combretum decandrum</i> and <i>Beutia parviflora</i>. The grasses over the forest floor include <i>Chrysopogonaciculatus</i>, <i>Imperata cylindrica</i>, <i>Dicanthium carricosum</i>, <i>Cynodon dactylon</i> etc.</p> <p>Eco Value Class has been treated as "Eco Value Class - I" based on proximate location – Baitarani Reserved Forest and the canopy density has been considered at par with the adjoining vegetation of Baitarani RF. The canopy density is 0.5.</p> |
| 10. | Position of Wildlife | Movement of wild elephants is often witnessed in the applied forest land and adjoining RF. The applied site falls under elephant habitat zone- 2 as mentioned by ORSAC, Bhubaneswar. |
| 11. | Whether the applied area involves any Eco-Sensitive Zone / National Park / Sanctuary. | The applied area does not involve any Eco-Sensitive Zone / National Park / Sanctuary. |
| 12. | No. of trees to be felled and its impact on the eco-system. | There are 8639 nos. of sound, 12843 Nos. of unsound trees in the virgin forest land over 216.094 ha and 2241 nos. of sound, 9530 Nos. of unsound trees in the broken up forest land over 129.095 ha enumerated over 345.189 ha forest land involved in the Mining Lease in the instant proposal. The probability of soil erosion is likely to increase following felling of the trees on the undulating topography of the applied area. |
| 13. | Details of broken up land and reclamation done if any. | Broken up forest land-129.095 ha No reclamation has been done. |
| 14. | Position of displacement of people and adequacy of rehabilitation, if any. | Not applicable. |
| 15. | Position of rare and endangered species available and importance of the applied area from archeological point of view. | Movement of wild elephants is often witnessed in the applied forest land and adjoining RF. There is no archaeologically important monument situated in the area. |

| | | |
|-----|--|---|
| 16. | Non-forest land selected for Compensatory afforestation has been included in the D.L.C. report or not. | Non-forest land selected for Compensatory Afforestation, as per the report of DFO, Kalahandi (S) Division and DFO, Keonjhar has not been included in the D.L.C. report. |
| 17. | Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation. | The Non-Forest Govt. land identified in villages Sikulapada, Raidiha and Phuljhar under Banspal Tahasil of Keonjhar Division in Keonjhar District is suitable for Compensatory Afforestation under ANR model. Degraded forest land over 206.00 ha has been identified in Baitarani RF under Champua Range ANR model @400 plants/ ha. Also Non-Forest Govt. land identified over 38.644 ha in village Kerapai and 11.00 ha in village Balangi under Thuamul Rampur Tahasil of Kalahandi (S) Division in Kalahandi District is suitable, as certified by DFO, Kalahandi (S), for Compensatory afforestation under AR model @1600 plants/ha. |
| 18. | Violation of Forest (Conservation) Act, 1980 if any and action taken thereon. | <p><u>Violation</u></p> <p>Illegal production of iron ores for the period 1994-95 to 2009-10 in respect of Revenue, Village & DLC Forest.</p> <p><u>Action taken</u></p> <p>The Collector, Keonjhar has been requested to take legal action as deem proper as per prevailing Act & Rules vide this office letter No. 8434 dated 11.12.2014 for and action taken report is awaited.</p> |


Divisional Forest Officer,
Keonjhar Division

CHECK LIST SERIAL NUMBER: 20
SITE INSPECTOR REPORT NOT BELOW THE RANK OF DCF
(For the forest land to be diverted under FCA)

A proposal has been received by this office from M/s Odisha Mining Corporation Limited for diversion (under FCA-1980) of 345.189 ha of forest land for non-forestry purpose. The project envisages the use of forest land for Mining purpose. The site inspection of the land involved in the proposal has been done by me on date 03.11.2017.

On inspection of the site, it is found that the land required by the User Agency over 345.189 ha forest land, 97.217 ha Revenue forest, 209.973 ha DLC forest and 37.999 ha non-forest land record as Forest as on 25.10.1980.

The requirement of forest land as proposed by the user agency in Col.2 of Part-I is unavoidable and is barest minimum required for the project.

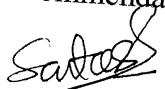
Whether any rare/endangered/unique species of flora and fauna found in the area. If so, details thereof.

Whether any protected archaeological/heritage site/defense establishment or any other important monument is located in the area. If so, the details therefore with NOC from competent authority, if required.

- (a) The user agency has not violated the previous of Forests (Conservation) Act, 1980 and no work has been started without proper sanction. _____ (x)
- (b) It has been found that the user agency has violated the Forest (Conservation) Act, 1980 provisions. A detailed report as Para 1.9 of Chapter 1, Part C of handbook of Forest (Conservation) Act, 1980 is attached. Specific recommendation for acceptance or otherwise of the proposal. _____ (✓)

Place Keonjhar.
Date 8-03-2018

N.B:


(Signature)

Name: Santosh Joshi

Designation: Divisional Forest Officer

Office **Divisional Forest Officer**
Keonjhar Division

* State the purpose for which the forest land is proposed to be diverted.

**out of (a) and (b) tick (✓) the option which is applicable and cross(x) the option which is not applicable.

As per letter number 2-2/2000-FC dated 16.1.2000 from Ministry of Environment & Forests, Government of India for proposal involving less than 40 ha of forest land, the site inspection report from DCF is required and for proposal involving more than 40ha of forest land site inspection report of Conservator of Forests is required.