

CHECK LIST

for

**PROPOSAL FOR DIVERSION OF FOREST LAND FOR NON-
FORESTRY USE UNDER FOREST (CONSERVATION) ACT, 1980.**

Prepared by

Principal Chief Conservator of Forests, Orissa

CHECK LIST

PROPOSAL FOR DIVERSION OF FOREST LAND FOR NON-FORESTRY USE UNDER FOREST (CONSERVATION) ACT, 1980

State Serial No:

Title of the proposal: Diversion of 401.7824 ha of additional forest area pertaining to Gandhamardan -A Iron Ore mining lease area over 618.576 ha of M/s Odisha Mining Corporation Limited.

Sl. No.	Details and documents to be provided	Provided or not	If not provided why?	Page No
1	Check list of project proposal.	Yes	-	i-xv
2	Authorization letter of the project authority. Position of the Authorized person in the company with the signature attested.	Yes	-	297-305
3	Main application Form-A, Part-I prescribed in the rules under Forest (Conservation) Act, 1980 with all its columns duly filled in and signed by the Competent authority with date, place and their official seal. NB: All the information of Part-I of the Form-A including Item-wise Breakup of the forest area required must be given in the form itself expanding the columns.	Yes	-	01-22
4	Detail note on the project. It must include the information regarding the number of village and number of persons to be benefited from the project including employment generation.	Yes	-	02.10 & 12
5	Map of the project site with forest area indicated clearly by showing forest boundaries within the proposed area; proposed land use of all areas in distinct colors in 1:50000 or any other suitable scale on original survey of India topo sheet. The survey details should be in the GPS coordinates in addition to plain survey. N.B: If the area is very small, in addition to the above, an index map to be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by the User Agency, Revenue Authorities not below the rank of the Tahasildar and DFO concerned.	Yes	-	Plate-I (In the map folder) Plate-IX and IXA in the map folder.
6	Lay-out plan of project site. <i>In case of linear diversions of forest land, linear map or a diagrammatical map of the project site, if it is not a linear diversion, map should be enclosed.</i>	Yes	-	Plate-I (In the map folder)
7	Statement showing the details of Forest area involved. <i>Survey No. /Coup No. Compartment No.etc. and item wise breakup of the forest area proposed diversion duly signed by Range Officer and DFO concerned.</i>	Yes	-	2,13 & Plate No.V (In the map folder)
8	Statement giving the details of non-forest areas involved in the proposal. The land schedule and the map have to be attested by the revenue authority not below the rank of Tahasildar.	Yes	-	2,13 & Plate No.III (In the map folder)

SL. No.	Details and documents to be provided	Provided or not	If not provided why?	Page No
9	Certificate from the project proponent that no alternative suitable non-forest land is available for the project in question, and that this is the best location from among several alternative considered and involving the barest minimum extent of forest land.	Yes	-	11,12 & (viii)
10	Justification for locating the project in forest area to be given by the User Agency and countersigned by DFO.	Yes	-	11,12
11	Certificate for minimum use of forest land to be submitted by User Agency by giving details of the areas and trees involved in the alternatives examined and the reasons of their rejection duly countersigned by DFO.	Yes	-	11,12 & (viii)
12	Cost benefits analysis as per the guidelines issued under Forest (Conservation) Act, 1980 in prescribed format. If not required reasons may be mentioned.	Yes	-	160
13	No objection certificate from local bodies i.e. Aam Sabha	No	Not applicable	-
14	Status of clearance under Environment (Protection) Act, 1986, where necessary. 1) Environment clearance 2) Odisha State Pollution Control Board clearance	Yes Yes	- -	272-280 281-293
15	Detail scheme of rehabilitation of project affected persons. The scheme has agreement with the State R&R policy, 2006.	No	No R & R involved	-
16	Has the rights under Forest Rights Act, 2006 has been settled? If so, the documents from the Collector and Gram sabha need to be attached.	Yes	-	197-256
17	Undertaking by the User Agency to bear the cost of compensatory afforestation duly countersigned by the DFO.	Yes	-	294
18	Undertaking by the User Agency to pay the Nett Present Value (NPV) of the Forest Land involved duly countersigned by the DFO.	Yes	-	294 & (ix)
19	Species-wise and Girth class wise enumeration list and abstract of trees (abstract to be given at the end of the list) standing in the forest area in question neatly typed or computerized and duly signed by DFO.	Yes	-	
20	Site inspection report of the forest area involved in the project proposal by concerned DFO or higher level Forest Officer in prescribed format.	Yes	-	24A,B & C
21	Details of the non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No. Compartment No., Village, Tahasil, District etc. along with the boundaries of adjoining areas with their land use in distinct colours.	Yes	-	171-185

22	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area at present wage rate duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work scheduled total financial outlay and proposed monitoring mechanism.	Yes	-	186-196 196 (i-xvii)
23	Certificate from the DFO that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.	Yes	-	179-184
24	Certificate from the competent authority regarding non-availability of non-forest land in the State for raising compensatory afforestation, where applicable.	No.	Land is made available.	
25	Any other information /documents attached. Please specify.	No		

Date: 17-08-2015

Place: KEONJHAR

User Agency
Signature and seal
(Please read Sl. No.2)

S.K. Das

Dy. General Manager (Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd. COUNTERSIGNED BY
Bhubaneswar-751001

Divisional Forest Officer
Keonjhar Forest Division
Divisional Forest Officer,
Keonjhar Division


Regional Chief Conservator of Forests,
Rourkela Circle

ANNEXURES
CHECK LIST SERIAL NUMBER: - 07
STATEMENT SHOWING DETAILS OF FOREST AREA
PROPOSED FOR DIVERSION

Sl No	Division	District	Range/ Block/ village limit	Survey/ Compartment Number/ KM. Stone	Forest area proposed for Diversion (Ha)			
					Village Forest	DLC	PRF	Total
1	2	3	4	5	6	7	8	9
1	Keonjhar Forest Division	Keonjhar	Daonla	-	23.8832	-	97.5360	121.4192
2			Suakati	-	9.7300	-	-	9.7300
8			Gandhamardan Proposed Reserved Forest	-	-	-	388.5980	388.5980
Total					33.6132		486.1340	519.7472

Date 17-08-2015

Place KEONJHAR



 Divisional Forest Officer
 Keonjhar Forest Division
Divisional Forest Officer,
 Office seal
Keonjhar Division

CHECK LIST SERIAL NUMBER: - 08
STATEMENT SHOWING DETAILS OF NON-FOREST AREA
INVOLVED IN THE DIVERSION PROPOSED

Sl No	Division	District	Range/ Block/ village limit	Survey/ Compar tment Number/ KM. Stone	Non Forest area proposed for diversion (Ha)	Legal status Of Forest area Pre 1980 and after	Remarks
1	2	3	4	5	6	7	8
1	Keonjhar	Keonjhar	Daonla	-	43.8308	Non-Forest	-
2	Forest Division		Suakati	-	54.9980	Non-Forest	-
Total					98.8288		

date- 17-08-2015

Place- KEONJHAR


 Divisional Forest Officer
 Keonjhar Forest Division
Divisional Forest Officer,
 Office seal
Keonjhar Division

CHECK LIST SERIAL NUMBER: 11

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

This is to certify that the forest area involved in the proposal pertaining to Gandhamardan-A iron ore mines is unavoidable and barest minimum forest area i.e. 401.7824 ha including 7.2807 ha of forest area earmarked for safety zone is proposed for diversion.


Date: 17-08-2015
Place: KEONJHAR


(S.K. Das)

Dy. General Manager (Geo)
Power of Attorney Holder
(Official Seal)

S.K. Das
Dy. General Manager (Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd.,
Bhubaneswar-751001

Countersigned by


Divisional Forest Officer
~~Keonjhar Forest Division~~
Keonjhar Division

CHECK LIST SERIAL NUMBER: - 17


**UNDERTAKING FOR PAYMENT OF COST OF
COMPENSTATORY AFFORESTATION**

I/we S.K. Das Dy. General Manager (Geology), Power of Attorney Holder of M/s. Odisha Mining Corporation Ltd., hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for mining purpose pertaining to Gandhamardan A iron ore mines as per prevailing wage at the time of plantation.

Date 17-08-2015

Place KEONJHAR


Countersigned by:-


(Signature of User Agency)

Office seal _____

S.K. Das

Dy. General Manager (Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd.
Bhubaneswar-751001


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

CHECK LIST SERIAL NUMBER: 18

UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE
FOREST AREA

It is to certify that I/We Sri S.K.Das, Dy. General Manager (Geo) , Power of Attorney Holder, O.M.C.Ltd have applied for diversion of 401.7824 ha of balance forest area pertaining to Gandhamardan-A iron ore mining lease for the purpose of mining and ancillary activities including 7.2807 ha of forest area earmarked for safety zone. I /We have already paid the net present value (NPV) of the above forest land. Undertaking is enclosed as Annexure-XXXX

Date: 17-08-2015
Place: KEONJHAR




(S.K.Das)

Dy.General Manager (Geo)
Power of Attorney Holder
(Official Seal)

S.K. Das

Dy. General Manager (Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd.
Bhubaneswar-751001

Countersigned by



Divisional Forest Officer
Keonjhar Forest Division
Divisional Forest Officer,
Keonjhar Division

CHECK LIST SERIAL NUMBER: - 20
SITE INSPECTION 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 Ltd. for Gandhamardan (Block-A) Iron Ore Mines for diversion (under FCA-1980) of 401.7824 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 04.07.2015. On inspection of the site, it is found that the land required by the user agency is a Village forest and Proposed Reserve forest measuring 401.7824 ha.

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, the details thereof.

No rare or endangered species available in the applied diversion area, but elephant movement is often noticed in fringe area. There is no archaeologically important monument situated in the area.

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


No protected archeological / heritage site/ defense establishment or any other important monument is located in the area.

**

(a) The user agency has not violated the provisions of Forests(Conservation) Act, 1980 and no work has been started without proper sanction. •

(b) It has been found that the user agency has violated the Forest(Conservation) Act, 1980 provisions. A detailed report as per para 1.9 of Chapter I, Part C of handbook of Forest (Conservation) Act, 1980 is attached. Specific recommendation for acceptance or otherwise of the proposal. (✓)

Place KEONJHAR
Date 17-08-2015


(Signature)
Name Rohita Kumar Lenka, IFS
Designation: Divisional Forest Officer
Divisional Forest Officer,
Keonjhar Division


N.B * 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 16.10.2000 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 40 ha of forest land site inspection report of Conservator of Forests is required.

CHECK LIST SERIAL NUMBER: - 21
LOCATION MAP

Location Map of Non-forest/degraded forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 401.7824 ha of forest land in village Khamarpadar under Thuamulrampur Tahasil in Kalahandi District over 329.811 ha. is enclosed as Plate -X(b).


Divisional Forest Officer
Keonjhar Division
Office seal **Divisional Forest Officer,**
Keonjhar Division

CHECK LIST SERIAL NUMBER: - 22
“SCHEME FOR COMPENSATORY AFFORESTATION”

Detail scheme for Compensatory Afforestation to be carried out in lieu of 401.7824 ha of forest area to be diverted for non-forestry purpose in Keonjhar District.

1. Detail of degraded forest land /non-forest land:-

District- Kalahandi Village- Khamarpadar
Tehsil- Thuamulrampur
Name of Division- Kalahandi (South) Forest Division
Range- Jaipatna (T) Range,
Block/Compartment/Survey No.- 65 I/15
Area to be afforested- 329.811 ha.

2. Description of Area

- i. Whether the site selected for Compensatory Afforestation is a land bank or not- Land Bank
- ii. If the CA site is other than the land bank, reasons be given- Not applicable
- iii. In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary- about 1.00 Km.
- iv. Soil type- The soil is loam and sandy loam prone to erosion.
- v. Topography a. Hilly/Undulating /Plain- Hilly with its lower slope fairly gentle.
b. Slope- Steep/Medium/Gentle- Medium
- vi. Whether the area is bearing any root stock of vegetation-

The site although categorized as non-forest land kissam in revenue record still comprises forest growth crops like Sal, Mahul, Kusum, Kendu, Bela, Kurei, Gambhari, Bamboo, Asana, Sisoo, Amba and Misc.species in pole condition in a degraded state having canopy density 0.1 to 0.2. The floor of the forest is devoid of under growth due to heavy soil erosion, repeated annual fire and “Podu cultivation”.

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup to be enclosed.- Enclosed as Annexure-

4. Schedule of Plantation Programme

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

Cost estimate for Block plantation of 1600 Plants/Ha.

Year	Area(in Ha.)	Rate / Ha	Total Cost (Rs.)
0 th Year	53	19800	1049400.00
1 st Year	53	15300	810900.00
2 nd Year	53	8850	469050.00
3 rd Year	53	6600	349800.00
4 th Year	53	2700	143100.00
5 th Year	53	2700	143100.00
6 th Year	53	2700	143100.00
7 th Year	53	2700	143100.00
8 th Year	53	2700	143100.00
9 th Year	53	2700	143100.00
10 th year	53	2700	143100.00
Sub-total			3680850.00
Additional incentive (3%) for VSS/Fr./FG	53	2083.50	110425.50
Additional EPA expenses	53	10200	540600.00
Total			43,31,875.50

Cost estimate for ANR with Gap plantation of 200 Plants/Ha.

Year	Area(in Ha.)	Rate / Ha	Total Cost (Rs.)
0 th Year	276.7743	2700	747290.61
1 st Year	276.7743	10950	3030678.585
2 nd Year	276.7743	3750	1037903.625
3 rd Year	276.7743	1650	456677.595
4 th Year	276.7743	450	124548.435
5 th Year	276.7743	450	124548.435
6 th Year	276.7743	450	124548.435
7 th Year	276.7743	450	124548.435
8 th Year	276.7743	450	124548.435
9 th Year	276.7743	450	124548.435
10 th year	276.7743	450	124548.435
Sub-total		22200	6144389.46
Additional incentive (3%) for VSS/Fr./FG	276.7743	666	184331.684
Additional EPA expenses	276.7743	10200	2823097.86
Total			91,51,819.00

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

(a) General Details


(b) Spacement

: 2.5 Mtr x 2.5 Mtr.

(c) Species

1. <i>Emblica officinalis</i> (Amla)	2. <i>Dalbergia sissoo</i> (Sissoo)
1. <i>Bambusa arundinacea</i> (Bamboo)	4. <i>Azadirachta indica</i> (Neem)
3. <i>Anogeissus latifolia</i> (Dhaura)	4. <i>Accacia catechu</i> (Khair)
5. <i>Pongamia pinnata</i> (Karanja)	6. <i>Madhuca indica</i> (Mahul)
7. <i>Tectona grandis</i> (Gambar)	8. <i>Terminalia belerica</i> (Bahada)

- (d) Plantation Method : Block and ANR with gap plantation
(e) Soil and Moisture Conservation Works : LBCD, Staggered Trenches
(f) Protection : (Fencing, Watch man, People's Participation etc.)
(g) Proposed Monitoring Mechanism : Regularly field check by the Range Officer,
inspection by the Divisional Forest Officer.
(h) Any other information.


Divisional Forest Officer
Keonjhar Division.
Divisional Forest Officer,
Keonjhar Division

CHECK LIST SERIAL NUMBER: - 23

“LAND SUITABILITY CERTIFICATE BY DFO CONCERNED”

The land suitability certificate has been given by the DFO, Kalahandi South Division.

Place KEONJHAR

Date 17.08.2015

(Divisional Forest Officer)
Keonjhar Forest Division
Office seal
Keonjhar Division

MAPS AND PLATES

Sl. No	Particulars	Scale	Reference
01	Location map of the area/ Index map showing adjoining lease areas.	1: 50,000	Plate-I
02	Original Lease Plan	16" = 1 Mile	Plate-II
03	Lease Plan as per RML application	1: 4000	Plate-III
04	Authenticated Broken up Map	1: 4000	Plate-IV
05	Proposed Land use Plan	1: 4000	Plate-V
06	Geological Plan	1: 4000	Plate-VI
07	Safety Zone Plan	1: 4000	Plate-VII
08	Phase Reclamation Plan	1: 4000	Plate-VIII
09	DGPS Map of the mining lease showing the applied forest land.	1:4000	Plate-IX (A)
10	Satellite imagery superimposed on the DGPS map of the mining lease.	1:4000	Plate-IX
11	Compensatory Afforestation Plan 329.811 ha	16" = 1 Mile	Plate-X (B)

MINING PROPOSALS

Sl. No	Details and documents to be provided	Provided or not	If not provided why?	Page No
26	In case of Mining proposal, the following information / documents must be given:			
	(a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearby non-forest area.	Yes	-	295
	(b) Estimated reserve of each mineral/ore in the forest area and non-forest area.	Yes	-	08-09
	(c) Total area demanded and extents of forest area involved in the proposed mining lease shown in distinct colors on relevant maps.	Yes	-	Plate-V
	(d) Proposed period of mining lease.	Yes	-	08
	(e) If it is a renewal of mining lease			
	a. Whether the details have been furnished about the expired lease.	Yes	-	08
	b. Date of filing the renewal application.	Yes	-	08 & 147
	c. Extent of forest and non-forest land already covered by working and mining operation, etc.	Yes	-	3,4,5 & Plate No.IV
	(f) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.	Yes	-	Plate-I
	(g) A copy of the mining scheme duly approved by IBM, Nagpur be enclosed.	Yes	-	306-525
	(h) Detail Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colors. It should also include the details of back filings, afforestation and execution of such works, wherever required.	Yes	-	Plate No-VIII & 161
	(i) Copy of lease deed/agreement entered in to with the district authorities.	Yes	-	30-70

Sl. No	Details and documents to be provided	Provided or not	If not provided why?	Page No
	<p>(j) The details of Safety Zone Area for the mining as per Para 4.7 of the guidelines. The undertaking from the project authorities to bear the cost of fencing the safety zone area and afforestation over one and half times of degraded forest area. The details of safety zone to be ascertained by the competent authority viz. Indian Bureau of Mines / Department of Geology and Mining of State Government.</p> <p>NB: Map of the above information in the appropriate scale wherever it is required</p>	Yes	-	15-16 294



User Agency

Signature and seal

(Please read Sl. No 2)

S.K. Das

Dy. General Manager (Geo)

Power of Attorney Holder

Odisha Mining Corporation Ltd.

Bhubaneswar-751001

Agreed to documents

Nodal Officer

Office of the PCCF, Odisha

With comments

Divisional Forest Officer
Keonjhar Forest Division
Keonjhar Division

Countersigned by
Regional Chief Conservator of Forests,
Rourkela Circle