

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.

Title of the proposal: Proposal for diversion of 160.838 ha Non-Forest Land recorded as Forest, as on/after 25th October 1980, inside Katamati Iron ore Mines of M/s TATA Steel Ltd under Barbil Tahasil under the jurisdiction of Keonjhar Forest division in Keonjhar district, Odisha.

Sl No	Details and documents to be provided	Provided or not	If not provided why?	Page Number
1	Check list of project proposal.	Provided		
2	Authorisation letter of the project authority. Position of the Authorised person in the company with the signature attested.	Provided		Annexure-XXIII
3	Main application Form from 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 by expanding the columns.	Provided		
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.	Provided		
5	Map of the project site with forests areas indicated clearly by showing forest boundaries within the proposed area; proposed land use of all areas in distinct colours in 1:50000 or any other suitable scale on original survey of India toposheet. <u>The survey details should be in the GPS Coordinates in addition to plain table survey</u> NB:-If the area is very small, in addition to above, an index map be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by User agency Revenue authorities not below the rank of Tahasildar and DFO concerned.	Provided		Plate No. II
6	Lay-out plan of project site. <i>In case of linear diversions of forest land, linear map or a diagrammatic map of the project site, if it is not a linear diversion, map should be enclosed.</i>	NA		

FOR AND ON BEHALF OF
TATA STEEL LIMITED
 BY THEIR CONSTITUTED AGENT

MC. Prasad

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 for diversion duly signed by Range officer and DFO concerned.</i>	Provided		
8	Statement giving the details of non-forest areas involved in the proposal. The land schedule and the map has to be attested by the revenue authority not below the rank of Tahasildar.	NA		Annexure – XX & XX(A)
9	Certificate from the project proponent that no alternative suitable non-forest land is available for the project in question, and this is the best location from among several alternatives considered and involving the barest minimum extent of forest land.	Provided		Annexure - XIV
10	Justification for locating the project in forest area to be given by the User agency and countersigned by DFO.	Provided		Annexure - XIV
11	Certificate for minimum use of forest land to be submitted by User Agency giving details of areas and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO.	Provided		
12	Cost- Benefit analysis as per the guidelines issued under Forest (Conservation) Act, 1980 in Prescribed format. If not required reasons may be mentioned.	Provided		Annexure - XXV
13	No Objection Certificate from local bodies i.e. Aam Sabha.	Provided		
14	Status of clearance under Environment (Protection) Act, 1986, where necessary. 1) Environment clearance and 2) Orissa State Pollution Control Board clearance	Provided		Annexure - XIX & XXVI
15	Detail scheme for rehabilitation of project affected person. The scheme has agreement with the state R&R policy 2006.	NA		
16	Has the rights under Forest Rights Act 2007 has been settled? If so, the Documents from the collector and Gram sabha need to be attached.	Provided		Annexure - XVII
17	Undertaking by the User Agency to bear the cost of compensatory afforestation duly countersigned by the DFO.	Provided		Annexure - XV(I) & XV(II)
18	Undertaking by User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by the DFO.	Provided		Annexure - XV
19	Species-wise and Girth class wise enumeration list and abstract of trees (abstract to be given at	Provided		Annexure - XXXIV

	the end of the list) standing in the forest area in question neatly typed or computerized and duly signed by DFO.			
20	Site inspection report of the forest area involved in the project proposal by concerned DFO or higher level Forest Officer in prescribed format.	Provided		Annexure - XXXVII
21	Details of non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No. Compartment No., Village, Tehsil, District etc. alongwith the boundaries of adjoining areas with their land use in district colours.	Provided		Annexure - XXXIII
22	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area at present wage rates duly signed by DFO and counter signed by the CF concerned. The CA scheme must include all the technical details, details of work scheduled total financial outlay and proposed monitoring mechanism.	Provided		Annexure - XXXIII
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.	Provided		Annexure - XXXIII
24	Certificate from the competent authority regarding non-availability of non-forest land in the State for raising compensatory afforestation, where applicable.	NA		
25	Any other information/documents attached. Please specify.			

Date: 03-5-2017
Place: Keonjhar

User Agency
Signature and seal
(Please read SI No 2)

FOR AND ON BEHALF OF
TATA STEEL LIMITED
BY THEIR CONSTITUTED ATTORNEY


M. C. THOMAS


Divisional Forest Officer
Keonjhar Forest Division
Office seal: Keonjhar Forest Division

Countersigned by:-
Regional Chief Conservator of Forests)
Circle _____
Office Seal _____

Details for the specific diversion proposal

Details for the specific diversion proposal

Irrigation

Sl No	Details and documents to be provided	Provided or not	If not provided why	Page Number
27	<p>8. Details of Irrigation Hydel</p> <p>(i) Total catchment area</p> <p>(ii) Total command area</p> <p>(iii) Full Reserved level</p> <p>(iv) High Flood level</p> <p>(v) Minimum Drawal Level.</p> <p>(vi) Break- up of area calling in catchment area of the project (forest land, cultivated land,. Pasture land, human, cultivation, others)</p> <p>(vii) Area of submergence at Full Reservoir Level</p> <p>(ix) Area of submergence at 2 metre below Full Reservoir Level.</p> <p>(x) Area of submergence at 4 metre below Full Reservoir Level (For medium and major projects only).</p> <p>(xi) Area of submergence at Minimum drawal level.</p> <p>(xii) Detail Catchments Area treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of areas and its classification in various categories requiring different engineering/afforestation and other treatments in phased manner.</p> <p>(xiii) Total financial outlays and details regarding availability of funds for catchment Area Treatment Plan.</p> <p>NB: Map of the above information in the appropriate scale</p>	NA		

Road railway and transmission lines

Sl No	Details and documents to be provided	Provided or not	If not provided why	Page Number
28	<p>In case of proposal regarding Road/Railway line/Transmission line, the following information/ documents must be given:-</p> <p>(a) Length and width of Road/Railway line/Transmission line passing through forest and non-forests area.</p> <p>(b) Length of Road already existing constructed out of the total length involved in the project proposal.</p> <p>(c) Does this road project involve widening or black topping of existing formation?</p> <p>(d) Does it involve a new alignment in forest area?</p> <p>(c) In case of transmission line:-</p> <p>(1) Number of towers to be erected both in forests and non-forests area.</p> <p>(2) Width of the right of way for transmission.</p> <p>NB: Map of the above information in the appropriate scale</p>	NA		

HYDRO ELECTRIC PROJECT

Sl No	Details and documents to be provided	Provided or not	If not provided why	Page Number
29	<p>In case of proposal regarding Hydro Electric Projects, the following information/documents must be given:-</p> <p>(a) Component wise total area requirement.</p> <p>(b) Copy of Memorandum of Understanding.</p> <p>(c) Copy of Techno-Economic clearance.</p> <p>(d) Copy of Implementation Agreement.</p> <p>(e) NOC from I&PH Department.</p> <p>NB: Map of the above information in the appropriate scale</p>	NA		

MINING PROPOSAL

Sl No	Details and documents to be provided	Provided or not	If not provided why	Page Number
30	<p>In case of mining proposal, the following information/documents must be given:-</p> <p>(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.</p> <p>(b) Estimated reserve of each mineral/ore in the forest area and non-forest area.</p> <p>(c) Total area demanded and extent of forest area involved in the proposed mining lease shown in distinct colours on relevant maps.</p> <p>(d) Proposed period of mining lease.</p> <p>(e) If it is a renewal of mining lease</p> <p style="margin-left: 40px;">a. Whether the details have been furnished about the expired lease?</p> <p style="margin-left: 40px;">b. Date of filing the renewal application.</p> <p style="margin-left: 40px;">c. Extent of forest and non-forest land already covered by working and mining operation, etc.,</p> <p>(f) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.</p>	<p>Unavoidable</p> <p>Provided</p> <p>Provided</p> <p>Provided</p> <p>Provided</p>		

<p>(g) A copy of the mining plan duly approved by IBM, Nagpur be enclosed.</p> <p>(h) Detail Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.</p> <p>(i) Copy of lease deed/agreement entered into with the district authorities.</p> <p>(j) The details of Safety Zone Area for the mining as per para 4.7 of the guidelines. The undertaking from the project authority 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>	<p>Provided</p> <p>Provided</p> <p>Provided</p> <p>Provided</p>		
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RETAIL OUT LET

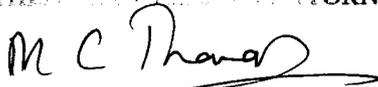
Sl No	Details and documents to be provided	Provided or not	If not provided why	Page Number
31	<p>In case of a retail outlet of an oil company the following information/documents must be given:-</p> <p>(a) Copy of letter of intent issued by the Oil Company.</p> <p>(b) Site selection certificate as per Government of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.</p> <p>(c) Lay-out plan showing dimensions of proposed approach road from entry and exit with clear area calculation. The area proposed for diversion should be shown in distinct colour.</p> <p>(d) The area calculation for the curves should invariably be given in the layout plan.</p> <p>NB: Map of the above information in the appropriate scale</p>	N/A		

User Agency
Signature and seal
(Please read SI No 2)

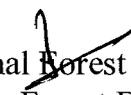
FOR AND ON BEHALF OF
TATA STEEL LIMITED

Agreed to documents

BY THE UNDERSIGNED ATTORNEY


M. C. THOMAS

Nodal officer
Office of the PCCF Orissa


Divisional Forest Officer
Forest Division
Office seal
Keonjhar Division

Countersigned by:-
(Regional Chief Conservator of Forests)
Circle _____
Office Seal _____

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)	Legal status of Forest area	Remarks
1	2	3	4	5	6	7	8
1	Keonjhar	Keonjhar	Barbil	Village - Deojhar- 160.838 ha	160.8 38 Ha.	Non-forest land recorded forest as on 25.10.1980 - 160.838 ha.	Detailed land schedule annexed in the DRP as annexure- XX-A.

Date 03-5-2017

Place Keonjhar


Divisional Forest Officer
Keonjhar Forest Division

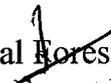
Divisional Forest Officer,
Office seal Keonjhar Division

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/Compartment Number/ KM. Stone	Non Forest Area involved in the diversion proposal (ha)	Legal status of Non-Forest area Pre 1980 and after	Remarks
1	2	3	4	5	6	7	8
1	Keonjhar	Keonjhar	Barbil	Village - Deojhar-43.3138 ha	43.3138 ha	Non-forest	Detailed land schedule annexed in the DRP as annexure-XX-B.

date 03-5-2017

Place Keonjhar


 Divisional Forest Officer
 Keonjhar Forest Division
 Office seal

CHECK LIST SERIAL NUMBER: - 11

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

This is to certify that the forest area involved in the proposed diversion proposal over 160.838 ha Non-Forest Land recorded as Forest as on 25.10.1980 is unavoidable and barest minimum and is a statutory requirement.

Date 03-05-2017.

Place Keonjhar.

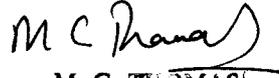
Countersigned by:-


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

(Signature of User Agency)

Office seal _____

FOR AND ON BEHALF OF
TATA STEEL LIMITED
BY THEIR CONSTITUTED ATTORNEY


M. C. THOMAS

CHECK LIST SERIAL NUMBER: - 17
UNDERTAKING FOR PAYMENT OF COST OF
COMPENSTATORY AFFORESTATION

I/we Sri M.C. Thomas, Constituted Attorney of M/s TATA Steel Ltd, hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for mining and allied purpose as per prevailing wage rate on receipt of Stage I approval.

Date-03-05-2017 .

Place-Keonjhar .

Countersigned by:-
Divisional Forest Officer
Keonjhar Forest Division
Office seal

(Signature of User Agency)

Office seal
~~FOR AND ON BEHALF OF~~
TATA STEEL LIMITED
BY THEIR CONSTITUTED ATTORNEY

M C Thomas
M. C. THOMAS

CHECK LIST SERIAL NUMBER: - 18

**UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE
FOREST AREA**

It is to certify that I/we Sri M.C. Thomas, Constituted Attorney of M/s TATA Steel Ltd, have applied for diversion of 160.838 ha of forest area for the purpose of Mining. We have already paid NPV of entire forest area involved in mining lease area. Further I /We, hereby undertake to pay the revised net present value (NPV) if any of the entire forest land involved in the mining lease.

Date-03-5-2017 .

Place-Keonjhar .

(Signature of User Agency)

Office seal
FOR AND ON BEHALF OF
TATA STEEL LIMITED
BY THEIR CONSTITUTED ATTORNEY

M.C. Thomas
M. C. THOMAS

Countersigned by:-
Divisional Forest Officer
Keonjhar Forest Division
Office seal

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 TATA Steel Ltd. for Katamati Iron ore Mines for diversion (under FCA-1980) of 160.838 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 22.04.2017 and 03.05.2017.

On inspection of the site, it is found that the land required by the user agency over 160.838 ha. of non-forest land recorded 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, 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 Chapter1, Part C of handbook of Forest (Conservation) Act, 1980 is attached. Specific recommendation for acceptance or otherwise of the proposal - (Certificate as regards the violation of Forest (Conservation) Act, 1980 is attached vide **Annexure No. -**

Place Keonjhar.
Date 03-5-2017.

(Signature)
Name Rohit Kumar Lenka
Designation: Divisional Forest
Officer Office Seal
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 land identified for Compensatory Afforestation in lieu of proposal for diversion of 160.838 ha of forest land in village Kerajodi under Kankadahad Tahasil of Dhenkanal district is enclosed vide **Plate No. XII**.

Divisional Forest Officer
Keonjhar Forest Division
~~Divisional Forest Officer~~
Office seal
~~Keonjhar Division~~

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

Detail scheme for Compensatory Afforestation to be carried out in lieu of 160.838 ha of forest area to be diverted for non-forestry purpose in Keonjhar District.

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

District- Keonjhar Village- Kerajodi
Tehsil- Kankadahad
Name of Division Dhenkanal Forest Division
Range- K.Nagar East Range,
Block/Compartment/Survey No.- Khata No. 155, Plot No.
1,38,398,310,311,312,313,314,315,316,317,318,319,320,321,322 and 395.
Area to be afforested – 160.838 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 0.00 Km.
- iv. Soil type- Clay mixed sandy-loam.
- v. Topography
 - a. Hilly/Undulating /Plain- Undulating
 - b. Slope- Steep/Medium/Gentle- Medium
- vi. Whether the area is bearing any root stock of vegetation- Yes

3. Plantation Model

AR Plantation model over 160.838 ha. @ 1600 nos of seedlings per ha

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup is enclosed as **Annexure - XVII.**

4. Schedule of Plantation Programme

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

1	2	3	4
Year	ANR in Ha.	Rate / Ha	Total in Rs. (2 x 3)
0 th Year	160.838	22139	3560792
1 st Year	160.838	21125	3397703
2 nd Year	160.838	12064	1940350
3 rd Year	160.838	8320	1338172
4 th Year	160.838	3600	579017
5 th Year	160.838	3600	579017
6 th Year	160.838	3600	579017
7 th Year	160.838	3600	579017
8 th Year	160.838	3600	579017
9 th Year	160.838	3600	579017
10 th year	160.838	3600	579017
		Total	14290135

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details : AR with gap over 160.838 ha
(b) Spacement : 2.5 mtr x 2.5 mtr
(c) Species : *Dalbergia sissoo* (Sissoo)
Azadirachta indica (Neem)
Terminalia belerica (Bahada)
Terminalia chebula (Harida)
Pongamia pinnata (Karanja)
Emblica officinalis (Ainala)
(d) Plantation Method : AR plantation @1600 per ha
(e) Soil and Moisture Conservation Works regeneration : Staggered Trenches
(f) Protection : Watch and ward and Barbed wire fencing

(g) Proposed Monitoring Mechanism : Compensatory Afforestation will be taken up in the identified site by the Range Officer, K.Nagar East Forest Range of Dhenkanalr Division. The Range Forest Officer, K.Nagar east Forest Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator of Forests, (Affn.) and Divisional Forest Officer, Dhenkanal Division. GPS co-ordinates along with other required informations of Compensatory Afforestation will be uploaded in the e-Greenwatch Portal of NIC, MoEF, Govt. of India for the purpose of online monitoring. Annual progress of plantation involving growth of planted seedlings, survival percentage etc. will be monitored and recorded in the plantation journal by the field staffs of K.Nagar East Forest Range and reported to the Divisional Forest Officer for necessary action. The same thing will be reported to the Regional Chief Conservator of Forests, Angul Circle and Chief Conservator of Forests (PP&A), O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar and necessary corrective measures will be followed if required so.

(h) Any other information.


Divisional Forest Officer
Keonjhar Division.

CHECK LIST SERIAL NUMBER: - 23

“LAND SUITABILITY CERTIFICATE BY DFO CONCERNED”

This is to certify that 160.838 ha. land bearing Khata No.155, Plot No. 1,38,398,310 to 322 and 395 of Village Kerajodi under Kankadahadl Tahasil in District Dhenkanal identified for Compensatory Afforestation is suitable for plantation under AR model @ 1600 seedling per ha over 160.838 ha.

Place Keonjhar.

Date 03-5-2017.

Divisional forest Officer
Keonjhar Division.

MAPS AND PLATES

SI No	Details OF Maps and Plates annexed	Provided or not	If not provided why	Page Number
1	Topo map of the Mining Lease area/ Index map showing adjoining lease areas.	Yes		Plate No. I
2	Geo-referenced Map of Mining Lease	Yes		Plate No. II
3	Geo-referenced Map of Mining Lease showing the proposed non-forest land recorded as forest.	Yes		Plate No. II(A)
4	Original lease Plan	Yes		Plate No. IX
5	Lease area Plan of 2nd RML	Yes		Plate No. X
6	Lease Plan Showing Different Categories of Forest & Non-Forest	Yes		Plate No. II
7	Present Land Use Plan	Yes		Plate No. IV
8	Proposed Land use Plan in respect of applied forest area	Yes		Plate No. V
9	Safety zone Plan	Yes		Plate No. VII
10	Geological plan approved by IBM	Yes		Plate No. VIII
11	Phased reclamation & afforestation Plan	Yes		Plate No. XIII
12	Non Forest land for Compensatory Afforestation.	Yes		Plate No. XII