

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.

Proposal No: FP/OR/OTHERS/9825/2015
State Serial No: OR-028/2016
Title of the proposal: Proposal for diversion of 2.062 ha forest land for laying of Pipeline for transportation of Iron Ore slurry from Barbil to Angul of M/s Jindal Steel & Power Ltd.
 - **Processing of Part Proposal for diversion of 0.744 ha Forest Land, out of the total forest land proposed for diversion over 2.062 ha, falling under the jurisdiction of Keonjhar Forest Division.**

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		
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		
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>	Provided		
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		

Sl No	Details and documents to be provided	Provided or not	If not provided why?	Page Number
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.	Provided		
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 alternatives considered and involving the barest minimum extent of forest land.	Provided		
10	Justification for locating the project in forest area to be given by the User agency and countersigned by DFO.	Provided		
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.	N/A		
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		
15	Detail scheme for rehabilitation of project affected person. The scheme has agreement with the state R&R policy 2006.	N/A		
16	Has the rights under Forest Rights Act 2006 has been settled? If so, the Documents from the collector and Gramsabha need to be attached.	Provided		
17	Undertaking by the User Agency to bear the cost of compensatory afforestation duly countersigned by the DFO.	Provided		
18	Undertaking by User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by the DFO.	Provided		
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.	Provided		
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		
21	Details of non-forest land/degraded forest area identified for compensatory afforestation viz.	Provided		

Sl No	Details and documents to be provided	Provided or not	If not provided why?	Page Number
	Survey No. Compartment No., Village, Tehsil, District etc. alongwith the boundaries of adjoining areas with their land use in district colours.			
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		
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		
24	Certificate from the competent authority regarding non-availability of non-forest land in the State for raising compensatory afforestation, where applicable.	N/A		
25	Any other information/documents attached. Please Specify.	Provided		

Date: - 16-05-2017 ,

Place: -

Keonjhar.

Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

(Anurag Tripathy)
JINDAL STEEL & POWER LTD., ANGUL
User Agency
Signature and seal

Divisional Forest Officer
Keonjhar Forest Division
Office seal
Keonjhar Division

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

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>	N/A		

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>	N/A		

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>	N/A		

MINING PROPOSALS


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> <ul style="list-style-type: none"> (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. (b) Estimated reserve of each mineral/ore in the forest area and non-forest area. (c) Total area demanded and extent of forest area involved in the proposed mining lease shown in distinct colours on relevant maps. (d) Proposed period of mining lease. (e) If it is a renewal of mining lease <ul style="list-style-type: none"> a. Whether the details have been furnished about the expired lease? b. Date of filing the renewal application. c. Extent of forest and non forest land already covered by working and mining operation, etc., (f) Minimum distance of the proposed site from Wildlife Sanctuary and National Park. (g) A copy of the mining plan duly approved by IBM, Nagpur be enclosed. (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. (i) Copy of lease deed/agreement entered into with the district authorities. (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>NB: Map of the above information in the appropriate scale wherever it is required</p>	N/A		

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)



 Authorised Signatory
Anurag Tripathy
 Jindal Steel & Power Limited
 Angul Odisha

Agreed to documents

Nodal officer
 Office of the PCCF Orissa

With comments

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



 Divisional Forest Officer
Divisional Forest Officer
 Office _____

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

Sl No	Division	District	Range/ Block/ village limit	Survey/ Compart ment Number/ KM. Stone	Forest area proposed for Diversion (Ha)				Remarks
					R.F/ PRF	DLC Forest	Revenue Forest	Total	
1	2	3	4	5	6	7	8	9	10
A	Keonjhar Forest Division	Keonjhar	Barbil Range	As per list (Encl) in the DRP	0.100	0.000	0.000	0.100	Detailed land schedule annexed in the DRP as annexure XX
B			Champua Range	As per list (Encl) in the DRP	0.260	0.086	0.066	0.412	
C			BJP Range	As per list (Encl) in the DRP	0.024	0.000	0.208	0.232	
Grand Total					0.384	0.086	0.274	0.744	

Date: - 16-05-2017.

Place: - Keonjhar


 Divisional Forest Officer
 Keonjhar Forest Division
Divisional Forest Officer.
 Office 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
A	Keonjhar Forest Division	Keonjhar	Barbil Range	The details is provided in the enclosed land schedule	1.966	Non-forest	Detailed land schedule annexed in the DRP as Annexure- XI
B			Champua Range		3.916	Non-forest	
C			BJP Range		3.470	Non-forest	
Total					9.352	-	-

Date: - 16.05.2017.

Place: - Keonjhar.

Divisional Forest Officer
Keonjhar Forest Division
Office seal
Keonjhar Division

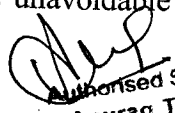
CHECK LIST SERIAL NUMBER: - 11

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

This is to certify that the forest area involved in the proposed diversion proposal over 0.744 Ha forest land in Keonjhar Forest Division is unavoidable and barest minimum.


Date-----16-05-2017-----

Place-----Keonjhar-----


Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Steel & Power Limited
(Signature of User Agency)

Office seal-----

Countersigned by:-

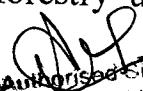

Divisional Forest Officer
Forest Division
Office seal
Keonjhar Division

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

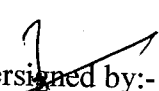
I/we Anurag Tripathi – AGM, Slurry Pipeline Project, M/s Jindal Steel & Power Ltd., hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for non-forestry use as per prevailing wage rate on receipt of Stage- I approval.

Date: - 16-05-2017.

Place: - Keonjhar.


Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
(Signature of User Agency)
Jindal Steel & Power Limited
Angul Odisha

Office seal _____


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


CHECK LIST SERIAL NUMBER: - 18

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

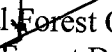
It is to certify that I/-we Anurag Tripathi – AGM, Slurry Pipeline Project, M/s Jindal Steel & Power Ltd., have applied for diversion of 0.744 Ha of forest area for the purpose of Laying Underground Iron Ore Slurry Pipeline in Keonjhar Forest Division. I /We, hereby undertake to pay the Net Present Value (NPV) of the above forest land.

Date: - 16-05-2017.

Place: - Keonjhar.


Authorized Signatory
Anurag Tripathy
(Signature of User Agency)
Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha
Office seal _____

Countersigned by:-


Divisional Forest Officer
Keonjhar Forest Division
Divisional Forest Office
Office seal
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 on 18.04.2016 for diversion (under FCA-1980) of 0.744 ha of forest land for non-forestry purpose in Keonjhar Forest Division. The project envisages the use of forest land for the purpose of laying Underground Iron Ore slurry Pipeline. The site inspection of the land involved in the proposal has been done by me on date 28.04.2017 & 16.05.2017. On inspection of the site, it is found that the land required by the user agency is a RF/DLC Forest/ Revenue Forest measuring 0.744 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

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

**

- (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 16-05-2017

Name (Signature)
(Rohit Kumar Lenka, IAS)
Designation _____
Office Seal **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 Private Non-forest land, identified for Compensatory Afforestation of 2.630 ha area in lieu of proposal for diversion of 2.062 ha forest land in Village - Kurumula under Pallahara Tahasil of Angul district, is enclosed vide Annexure - XVW

~~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 2.062 ha of forest area to be diverted for laying of Pipeline for transportation of Iron Ore slurry from Barbil to Angul of M/s Jindal Steel & Power Ltd.

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

District Deogarh Village Kurumula

Tehsil Pallahara Name of Division Deogarh Division

Range Khamar Block/Compartment/Survey No./ Khata No. 151/151 and Plot No. 169/1913 and 169/1914.

Area to be afforested 2.630 ha

2. Description of Area

i. Whether the site selected for Compensatory Afforestation is a land bank or not. No

ii. If the CA site is other than the land bank, reasons be given

Non-forest private land.

iii. In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary- 0.00 Km.

iv. Soil type: Eroded soil with exposed rock- Sandy loam.

v. Topography a. Plain.

b. Slope- Steep/Medium/Gentle. Gentle

vi. Whether the area is bearing any root stock of vegetation.

The area is reportedly prone to Podu cultivation with rooted stock of vegetation.

3. Plantation Model

AR model over 2.630 ha @1600 nos. seedlings per ha

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

4. Schedule of Plantation Programme

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

1 Year	2 AR in ha.	3 Rate / ha	4 Total in Rs. (2 x 3)
0 th Year	2.630	22139.00	58225.57
1 st Year	2.630	21125.00	55558.75
2 nd Year	2.630	12064.00	31728.32
3 rd Year	2.630	8320.00	21881.6
4 th Year	2.630	3600.00	9468
5 th Year	2.630	3600.00	9468
6 th Year	2.630	3600.00	9468
7 th Year	2.630	3600.00	9468
8 th Year	2.630	3600.00	9468
9 th Year	2.630	3600.00	9468
10 th year	2.630	3600.00	9468
		Total	233670.24

5. Technical details


Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details : AR Model over 2.630 ha
- (b) Spacement :
- (c) Species :
1. *Syzgium cumini*(Jamu)
2. *Adina cardifolia*(Kuruma)
3. *Anogeissus latifolia*(Dhaura)
4. *Accacia catechu* (Khair)
5. *Dalbergia sissoo*(Sissoo)
6. *Azadirachta indica*(Neem)
7. *Gmelina arborea* (Gambar)
8. *Terminalia belerica*(Bahada)
9. *Terminalia chebula*(Harida)
10. *Pongamia pinnata* (Karanja)
11. *Emblica officinalis* (Ainla)
- (d) Plantation Method : AR Model
- (e) Soil and Moisture Conservation Works: LBCD, Staggered Trenches
- (f) Protection (Fencing, Watch man, People's Participation etc.) Barbed wire fencing and watch and ward with involvement of Kurumula VSS.

(g) Proposed Monitoring Mechanism

Compensatory Afforestation will be taken up in the identified site by the Range Officer, Khamar Forest Range of Deogarh Division. The Range Forest Officer, Khamar 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, Deogarh Division. DGPS 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 Khamar 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, Rourkela 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 Forest Division
Keonjhar District

CHECK LIST SERIAL NUMBER: - 23

"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"

The non-forest Private land, identified for Compensatory Afforestation, is reported to be suitable by DFO, Deogarh Division under AR Model @1600 nos. seedlings per ha.

Place Keonjhar.
Date 16-05-2017.

(Divisional Forest Officer)
Keonjhar Forest Division
Divisional Forest Officer.
Office Seal Keonjhar Division