



ବନଖଣ୍ଡ ଅଧିକାରୀଙ୍କ କାର୍ଯ୍ୟାଳୟ ସୁନ୍ଦରଗଡ଼ ସୁନ୍ଦରଗଡ଼ ବନଖଣ୍ଡ :
OFFICE OF THE DIVISIONAL FOREST OFFICER, SUNDARGARH FOREST DIVISION.
(Phone/Fax-06622-272243, email- dfosngdvn@yahoo.co.in)

Memo No. 6540 /4F/Misc./2021 DT: - 21/12/2021

To

The Regional Chief Conservator of Forests
Rourkela Circle, Rourkela.

Sub:

Proposal seeking clearance from Ministry of Environment, Forest & Climate Change, Govt. of India for diversion of 342.87 Ha forest land for non-forestry purpose towards development of Dip-side Manoharpur Coal Mining Project of Odisha Coal and Power Limited.
- Submission of compliance report reg.

Ref: -

1. Your Memo No. 320 dt. 05.02.2021.
2. This Office Memo No. 5322/4F/Misc./2021 dated 28.10.2021.
3. Letter No. OCPL/674 dt. 01.11.2021 of OCPL.

In inviting a reference to the Memo cited above, the user agency i.e Odisha Coal and Power Limited (OCPL) has submitted the point wise compliance report, in respect of Forest Diversion Proposal of 342.870 ha. for Dip-side Manoharpur Coal Mining Project.

Sl. No.	Observation	Compliance
1.	The check lists have not been signed by the DFO.	The check list duly signed by the undersigned which is enclosed in FDP (Page no 4)
2.	In check list Sl no. 07, the extent of Revenue Forest and that of Reserve Forest have been mentioned as 166.29 ha & 176.58 ha respectively. But in the Part-II & Site Inspection Report, the extent of Revenue & RF have been mentioned as 166.28 and 176.59 ha respectively. The discrepancies, in this regard needs to be clarified / rectified.	The extent of Reserve forest (i.e. 176.59 ha) and Revenue forest (i.e. 166.28 ha) mentioned in part II and site inspection report is correct. Further, the user agency has submitted the Gazette Notification (GoI) of land acquisition for Dip-side Manoharpur coal block, the area of Reserve forest is 176.59 ha (i.e. Hunderkhole RF and Kanupahad RF). The copy of notification is attached as Annexure 1 in DP at Page no 417-422 The remaining area is Revenue forest i.e. 166.28 ha covering 8 nos. villages namely Durubaga, Katarbaga, Kathafali, Parmanandpur, Sarbahal, Ghumudasan, Dulinga and Laikhera. (D/P - Page no 25) Thus, the total forest area proposed for diversion is 342.87 Ha.

3.	<p>The following maps required to be submitted in the Diversion Proposal</p> <ul style="list-style-type: none"> i) Safety Zone map ii) Propose land use map iii) Broken area map iv) Existing land use map v) Proposed land use map 	<p>The user agency has submitted the following maps which are furnished below:</p> <ul style="list-style-type: none"> i) Safety Zone map - attached as Annexure 2 (Vol. II - Drawing/Map file) ii) Proposed land use map - attached as Annexure 3 (Vol. II - Drawing/Map file) iii) Broken area map - The user agency has intimated that this is Not Applicable to them. iv) Existing land use map - attached as Annexure 4 (Vol. II - Drawing/Map file) v) Proposed land use map - attached as Annexure 3 as mentioned above.
4.	Justification for locating the project in Forest area to be countersigned by the DFO.	The Justification for locating the project in Forest area submitted by the user agency duly signed by the undersigned; which is attached in FDP as Annexure 5 at Page no 416
5.	The certificate for minimum use of forest land furnished by the UA at P/158 has not been countersigned by the DFO.	The certificate for minimum use of forest land submitted by the user agency duly signed by the undersigned; which is attached in FDP as Annexure 6 at Page no 413
6.	The cost benefit analysis has neither been signed by the UA nor by the DFO.	The User agency has submitted the duly signed revised Cost Benefit (CB) analysis mentioning the CB ratio as 1:8 which is duly signed by the undersigned; is attached in FDP as Annexure 7 at Page no 410-412
7.	All the undertakings furnished in the DP should be authenticated by the DFO.	All undertaking submitted by the user agency duly signed by the undersigned which is attached in FDP at Page no. 395,396,397,398,399,400,405.
8.	Tree enumeration list both for Forest and NF land involved in the project has not been enclosed in the DP. Further, no. of trees to be felled from forest and non-forest land should be reported.	<p>As per sample tree enumeration list over forest land submitted by the user agency; the number of trees is 12,562 nos. ; Which is attached in FDP as Annexure 8 at Page no 406-409.</p> <p>The Sample tree enumeration has been conducted earlier and unit rate was considered as Rs 3683/- per unit ,but now for preparation of Cost Benefit Analysis (CBA)as per the revised guidelines; the unit price of tree @ Rs.4051/- per unit has considered.</p> <p>Further, user agency has submitted the undertaking based on proceedings of Minutes of the meeting held on 19.04.2021 conducted by the Additional Director, Govt. of Odisha (Planning and Convergence Department) vide Memo no. 6065 (3) dated 12.05.2021 wherein it is mentioned that the proposal may be processed with an undertaking regarding <i>sample tree enumeration over non-forest</i></p>

		land (437.570 Ha); which is attached in FDP as Annexure 9 at Page no 405
9.	Suitability certificate furnished in CA scheme has not been signed by the DFO. Further, Topo maps said to have been enclosed in the CA scheme are not found to be enclosed. The DGPS maps of the CA land is also not enclosed.	<p>The suitability certificate of compensatory afforestation scheme over 342.902 Ha of non forest govt. land (CA land) identified in villages Patheimunda (Tahasil Balisankara), Aludega, Etma & Galeibahal (Tahasil Badgaon), Bendrichuan, Raichaun & Kesrijima (Tahasil Hemgir), Kunjanala & Laxmanpa(Tahasil Leparipada) duly signed by the undersigned ; which is attached in FDP at Page no. 316-321.</p> <p>Topo map of CA land - The user agency has submitted Topo map of CA land on scale of 1:50000 which is attached as Annexure 10 (Vol. II - Drawing/Map file).</p> <p>DGPS map of the CA land- The user agency has submitted the DGPS map of CA land on scale of 1:3960 which is attached as Annexure 11 (Vol. II - Drawing/Map file).</p> <p>The land identified for compensatory afforestation are within the Division boundary as seen with KML file .</p>
10.	The proposal is for diversion of 342.870 ha of forest land comprising of 176.59 of RF & 166.28 ha of Revenue forest land. But in the site inspection report against Sl no. 8, it has been mentioned that the "proposed diversion of the revenue forest if for Dip side of Manoharpur Coal Mine Project (Expansion of Manoharpur Coal Mine Project) and enclosed as Annexure - E" which is not comprehensible.	<p>The proposal for diversion of forest land over 342.870 Ha including diversion of Reserve forest (176.59 Ha) and Revenue forest (166.28 Ha) for the development of Dip side Manoharpur Coal Mine Block of OCPL.</p> <p>Earlier, in Site Inspection Report at Sl. No. 8; due to typographical error, the Reserve Forest area i.e. 176.59 has been left which should be considered.</p>
11.	The information furnished against Sl. No. 12 of the Site Inspection Report is not adequate & appropriate as the no. of trees to be felled & its impact on the eco-system has not been furnished. Further, it has been mentioned therein that "The User Agency has furnished an undertaking to deposit the cost of NPV and Coal of CA as approved" which is not understood.	<p>About 12,562 nos. of trees (Sample tree enumeration list, enclosed with FDP at Page no 406-409) has been enumerated over the forest land proposed for diversion and sample tree enumeration over non forest govt. land is under progress for which user agency has furnished an undertaking as mentioned above in point no. 8.</p> <p>Species wise abstract of sample tree enumeration over forest land has been furnished in the FDP at Page no 407-408.</p> <p>Felling of trees over forest land and non forest land will have some negative impact on</p>

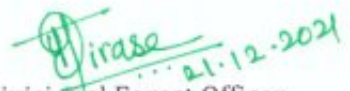
		<p>the eco-system but this loss will be compensated by the scheme of Compensatory Afforestation over 342.902 Ha non forest govt. land. Since the project is essential for the development of coal mine to meet the fuel requirement of power plants, the adverse impact on ecosystem may be considered insignificant.</p> <p>Further, the user agency has submitted an undertaking regarding the deposit of cost of NPV and cost of CA scheme which is attached in FDP as Annexure 12 and Annexure 13 respectively at Page no 309 & 400.</p> <p>Moreover, an undertaking regarding the deposit of additional NPV, as would be assessed by State Government (GoO) / Hon'ble Supreme Court of India has been submitted by user agency which is attached in FDP as Annexure 14 at Page no 398</p>
12.	The PDF file of the proposal in C.D. form has not been submitted.	The U/A has submitted the PDF file of the proposal in CD form which is attached as Annexure 15 with FDP file (Page no. 394).
13.	In the RR Plan, it has been stated that there are 230 nos. of displaced families & 525 nos. of affected families due to the above project. But in the site inspection report against Sl. No. 14, i.e. the position of displacement of people and adequacy of rehabilitation, if any is reported to be Nil. Needs clarification.	<p>The user agency has intimated that earlier figures was wrongly mentioned which may be ignored.</p> <p>As per approved Mining Plan (Rev III) of Manoharpur and Dip-side Manoharpur Coal Block; the total displaced families are 190 nos. (i.e. number of Schedule caste : 4, Scheduled Tribe Families: 127, Other families: 59; total 127 nos. in village Kathfali and 63 nos. in village Parmanandpur respectively). The details of same have been furnished in FDP at Page no 18 A-3.</p> <p>Further user agency has intimated that Socio Economic Survey of the displaced families / affected families due to proposed project is under progress. An undertaking in this regard has been submitted by user agency which is attached in FDP as Annexure 17 at Page no 396.</p>
14.	Against Sl. No. 16 of the Site Inspection Report, it should be specifically reported whether, the NF land used in the project and non-forest land selected for CA is included in the DLC report or not.	On verification of DLC report, it has been found that no DLC land is involved in the identified CA land .

15.	It should be specifically reported whether any court case is pending against this project or not.	The user agency has submitted that no court cases are pending towards the said project. An undertaking in this regard has been submitted by user agency which is attached in FDP as Annexure 16 at Page no 397 .
16.	All the documents furnished in the DP should be authenticated by the DFO. Although instruction in this regard has been issued earlier, the same is not adhered to.	All the documents submitted in the DP by the user agency have been duly signed by the undersigned.

Further, the user agency has submitted an undertaking regarding FRA certificate and settlement of all claims & rights and also compliance of provision of ST&OTFD (Recognition of Forest Rights) Act, 2006 which is attached in FD as **Annexure 18** at **Page no.395**.

Encl:- As above .

This is for favour of kind information and necessary action .


 Divisional Forest Officer
 Sundargarh Forest Division

Memo No. 6541 Dt. 21.12.2021

Copy forwarded to the Addl. Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC- Act. O/o Principal Chief Conservator of Forests Odisha, Bhubaneswar for favour of kind information and necessary action with reference to Memo No. 321 dt.05.02.2021 of Regional Chief Conservator of Forests, Rourkela Circle Rourkela.


 Divisional Forest Officer
 Sundargarh Forest Division

Memo No. 6542 Dt. 21.12.2021

Copy forwarded to AGM (Mines) OCPL for information and necessary action with reference to Memo No. 320 dt.05.02.2021 of Regional Chief Conservator of Forests, Rourkela Circle Rourkela.


 Divisional Forest Officer,
 Sundargarh Forest Division.

COST BENEFIT ANALYSIS

Project: Diversion of 342.87 Ha of forest land (176.59 Reserved Forest land and 166.28 Ha of Revenue Forest land) for mining of Dip-side Manoharpur Coal Mine Block of OCPL in Sundargarh Dist.

Table B – Estimation of cost of forest diversion (as per MoEF&CC Guideline related to cost benefit analysis)

SN	Parameters	Remarks
1.	Ecosystem Services losses due to proposed forest diversion NPV of the forest land being diverted i.e. Reserved Forest 176.59 ha @ Rs. 8.03 lac (A) = Rs. 1418.0177 lac Revenue Forest 166.28 ha @ Rs. 7.30 lac (B) = Rs. 1213.844 lac Total (A+B) = 2631.8617 lac	Rs. 2631.8617 Lac
2.	Loss of animal husbandry productivity including loss of fodder	10% of NPV applicable i.e. Rs. 263.1861 Lac
3.	Cost of human resettlement	Rs. 166.870 Lac
4.	Loss of public facilities & administration infrastructure (roads, building, school, dispensary, electric lines, railways etc.) on forest land.	Not Applicable
5.	Possession value of forest land diverted	30 % of NPV i.e. Rs. 789.5585 Laacs
6.	Cost of suffering of oustees	280 person x Rs. 315/- per day x 2 years (730 days) x 1.5 times = Rs. 965.79 Laacs
7.	Habitat Fragmentation Cost	50% of NPV applicable as thumb rule i.e. Rs. 1315.9308 Laacs
8.	Compensatory Afforestation and Soil & Moisture Conservation Cost	Rs. 1428.3964 Laacs
9.	Cost of Tree (2064.96 Units @ Rs. 4051 for 12562 Trees) = Rs. 83,65,153/- Total Cost of Tree (15526 Units @ 4051 for 94448 Trees) = Rs. 6,28,95,826 /-	Rs. 628.95 Laacs
	Total	Rs. 8190.5435 Laacs



Additional General Manager (Mines)
Manoharpur Coal Mine Project
Odisha Coal and Power Limited


... 24.12.2024

Divisional Forest Officer
DIVISIONAL FOREST OFFICER
Sundargarh Forest Division

Table C – Estimation of Benefit of Forest Diversion in Cost Benefit Analysis (as per MoEF&CC Guideline related to cost benefit analysis)

SN	Parameters	Remarks
1.	Increase in Productivity attribute to the specific project. (If raw coal will be sold in million ton x sale price)	Benefit of the Project to be furnished here in shape of – Rs. 96,00,00 lacs (480 Million tones @ Rs. 200 /- profit per tonne)
2.	Benefit to economy due to the specific project (Cost of power to be generated from coal for captive use)	Benefit of the Project to be furnished here in shape of - Total sale value is Rs. 107,85,312 lacs - Profit is Rs. 63,072 lacs
3.	No. of population benefitted due to specific project	No. of Population to be benefitted here – 10,000
4.	Economic benefit due to direct and indirect employment due to the project	Socio economic condition of the persons to be employed will be increased.
5.	Economic benefits due to Compensatory Afforestation	Rs. 6.26 lac x 342.87 ha (as per Guideline issued by MoEF vide letter No. F.No.5-3/2007_FC dt. 05.02.2009) = Rs. 2146.3662
	Total	Rs. 65,218.3662 lac



 ... 21.12.2021
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COST BENEFIT RATIO OF THE PROJECT =

Benefit Rs. 65,218.3662 Lacs

Loss Rs. 81,90.5435 Lacs

Ratio 1:8


 ... 21.12.2021
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 SUNDARGARH FOREST DIVISION


 Additional General Manager (Mines)
 Manoharpur Coal Mine Project
 Odisha Coal and Power Limited

Total Financial Outlay for Compensatory Afforestation Scheme over 342.902 Ha in villages Patheimunda (Tahasil Balisankara), Aludega, Etma&Galeibahal (Tahasil Badgaon), Bendrichuan, Raichaun&Kesrijima (Tahasil Hemgir), Kunjanala&Laxmanpa (Tahasil Leparipada) against the Diversion of Forest Land over 342.87 Ha by Odisha Coal and Power Limited (OCPL)

SL NO	DESCRIPTION	AMOUNT (RS.)
1.	AR Plantation over 342.902 Ha @ 1000 plants per ha @ Rs 234718/- per Ha (for 10 Years)	8,04,77,760.66
2.	Soil and Moisture Conservation (SMC)	35,633
3.	Chain link wire mesh over 33730 m (running meter) @ Rs. 1142 per running meter	3,85,19,660
	Sub Total	11,90,33,053.66
	Escalation (20%)	2,38,06,610.73
	Total	14,28,39,664.39
	Rounded up	14,28,39,664
In Words: Fourteen Crores Twenty Eight Lacs Thirty Nine Thousand Six Hundred Sixty Four		


 P. Prasad
 21.12.2021
 Divisional Forest Officer,
 Sundargarh Forest Division