

## CHECK LIST NO-04

### DETAIL NOTE ON THE PROJECT

**BHUBANESWARI OCP, JAGANNATH AREA, MAHANADI COALFIELDS LIMITED**

**(A Subsidiary of Coal India Limited)**

**FORM –“A”**

**(Form for seeking prior approval under section -2 of the proposals by the State Governments and other authorities)**

#### **PART – 1**

(to be filled up by user agency)

**APPLICATION FOR PRIOR APPROVAL FOR DIVERSION OF 20.383HA. OF FOREST LAND (DLC FOREST), FOR BHUBANESWARI OCP, JAGANNATH AREA OF M/s MAHANADI COALFIELDS LIMITED, TALCHER RANGE, ANGUL DIVISION, ANGUL DISTRICT, ODISHA.**

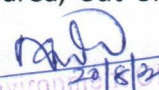
**1. PROJECT DETAILS :-**

- i. Short narrative of the Proposal and Project /Scheme for which the forest land is required.**

**The Mahanadi Coalfields Limited (MCL) is a subsidiary company of Coal India Limited, a Government Company owned by Government of India. It is engaged in coal mining in the state of Odisha. The activities of MCL are spread over in Angul, Jharsuguda and Sundergarh districts. Mahanadi Coalfields Limited (MCL) Total Coal Mining Projects sanctioned till date in MCL are 53 (including 3 exhausted Projects). The rated Production Capacity of these sanctioned Projects was 285.61Mty, with a sanctioned Capital outlay of Rs.31734.03 Crs (including RCE). Out of total 53 Projects, 39 Projects are completed Projects and 14 Projects are On-going Projects. These 14 on-going projects have rated capacity of 201.83 Mty with capital investment of Rs.27463.11 Crs.**

The Bhubaneswari OCP Expn Project is an opencast project and located in Talcher Tahasil of Angul District of Odisha State. The total area of the project is 658.724 Ha out of which the total forest land is only 132.904 Ha. However, an area of 112.521 has already been diverted for Bhubaneswari OCP in 2004 against the proposal of 132.904 Ha in 2002. The balance forest land of 20.383 Ha is now required to be diverted for mining purpose as the already diverted forest land is consumed and the status of 20.383 Ha forest land is DLC Forest. Hence, the present application is for diversion of 20.383 Ha. of DLC forest land.

Bhubaneswari OCP has proposed for a mining plan of 14.55 square kilometer of block area, out of which 6.58 square kilometer was approved &

  
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 Bhubaneswari OCP  
 Jagannath Area, MCL

  
 General Manager  
 Jagannath Area, MCL



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Mining Plan also approved in April'2022. The geology of the Project is based on "Integrated Geological Report on Coal Exploration of Bhubaneswari, Arkhapal-A & Sakhigopal-A Blocks" prepared by CMPDI RI-VII in December, 2016" by CMPDIL on full payment basis from Mahanadi Coalfields Limited.


The net coal reserve in the proposed geological are is 419.15 Mt. Mineable coal reserve is 396.52 Mt, while the extractable coal reserve is 396.52Mt. Coal reserve that is depleted is 272.06 (as on 01.04.2022) and Balance Extractable reserve is 124.76 Mt which also including around 21 Million Tonnes in 20.383 Ha. The annual production is around 30 Million tonnes. The life of the Project is about 4 years excluding post-mining periods.


Since Coal is site specific, the proposed expansion of Bhubaneswari OCP in Bhubaneswari block and Arkhapal block with mine lease area of 658.724 ha which also involves 132.904 ha of forest land is vital. The total land involved for entire life of the project is 658.724 Ha (525.82 Ha Non forest + 132.904 Ha Forest). Diversion proposal for 132.904 Ha of required forest land was submitted to MOEF&CC in 2002. However, as per directives of MoEF&CC while granting EC for 20 MTY, forest land involved for 25 years of operation was assessed and accordingly FC was granted for 112.521 Ha in 2004 against the proposal of 132.904 Ha. and it was also directed to approach the MoEF&CC for the balance 20.383 Ha forest land after consumption of granted/diverted forest land (i.e. 112.521 Ha) in the mine area.

For the purpose of creation of compensatory afforestation (double the degraded forest lands) in respect of proposals seeking prior approval of Central Government under Sec.2 of Forest (Conservation) Act, 1980. Hence, degraded forest area of 41 Ha. is required towards CA purpose for approving the diversion of 20.383 Ha. forest land situated in the Project Area.

Bhubaneswari OCP Expn Project requested DFO, Angul for identifying the degraded forest land for CA Purpose in Angul Division and an area of 47.385 Ha. of degraded Revenue Forest Land at Karnapur mouza under Talcher Range of Talcher Tehasil, Angul Division was identified which is suitable for ANR plantation of 23692 Nos plants @500 plants/Ha. After completion of Pillar posting, DGPS survey by the ORSAC was also conducted from 09.06.2022 to 11.06.2022 and the final plan was submitted. As per the DGPS survey, the final area comes to 63.041 Ha.

Regarding Safety Zone it is to state that the safety zone area along the forest area proposed for diversion is coming out to be 0.903 Ha (0.615 Forest+0.288 Ha non-forest) which includes 0.615 Forest land and 0.288 Ha of already acquired non-forest land along mine boundary.

  
20/8/22  
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General Manager  
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Now Out of 20.383 Ha (DLC Forest) of required forest land, 19.768 Ha (20.383Ha-0.615Ha=19.768Ha) is for mining purpose (i.e. excavation) and 0.615 Ha is for safety zone area.

Bhubaneswari OCP, Jagannath Area, MCL agrees to pay the cost for protection and regeneration of safety zone area and also for cost of raising plantation in 1.5 times safety zone area in 0.922 Ha. (=0.615 HaX1.5) in degraded forest area.

So, Total CA Land required is (19.768 Ha X 2) + (0.615 Ha X 1.5) = 39.536 Ha + 0.922 Ha => 40.458 Ha

- ii. Map showing the required forest Land, boundary of adjoining forest on a 1:50,000 scale

The boundaries of proposed Bhubaneswari OCP Expn Project, the non forest land involved in the present proposal are marked on the map on a 1:50,000 scale Survey of India Topo Sheet (F45T1)

- iii. Total cost of the project: Total capital outlay of the project will be Rs. 490.10 Crores.

- iv. Justification for locating the project in forest area:-

The location of the site for coal mining operation fully depends upon nature's deposit of minerals and geological structure of the coal seams. As area proposed for diversion is coal – bearing and as such it is a site-specific activity and the justification is enclosed with the application.

- v. Cost –benefit analysis: -

The cost benefit analysis is done as per the rule and guidelines and is enclosed

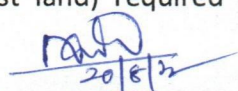
- vi. Employment likely to be generated:-

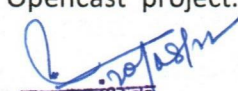
The project likely to generate direct employment of about 1055 persons in addition to indirect employment in the project during the mining operations.

- vii. Villages to be displaced – 05 Nos of Villages on non forest land for entire project. (Jilinda, Hensumul (Talasahi), Hensumul (Saharsahi), Naraharipur and Khandualbahal). For diversion of 20.383 ha forest land no village is required to be displaced.

## 2. PURPOSE –WISE BREAK–UP OF THE TOTAL LAND REQUIRED:-

The forest land of 20.383 Ha. is part of total 658.724 Ha (which included 112.521 Ha already diverted forest land) required for the Bhubaneswari Opencast project. The

  
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proposed required 20.383 Ha forest land is for quarry excavation area. The purpose wise break up figures including forest land is as follows:

	MP&MCP of Bhubaneswari OCP (28Mty), 638.341 Ha ML Area			MP&MCP of Bhubaneswari OCP (30 Mty), 658.724 Ha ML Area (including balance 20.383 Ha forest land)		
Particulars	Total Area in Ha			Total Area in Ha		
ML- Mining lease	Forest	Non Forest	Total	Forest	Non Forest	Total
Quarry Excavation area	105.808	477.944	583.752	125.576*	488.531	614.107
Safety Zone		5.747	5.747	0.615*	6.163	6.778
Infrastructure (CHP, Washery, Silo point, Project Office, laying of railway line for dispartch point and future working expansion area	6.713	29.609	36.322	6.713	18.606	25.319
Embankment		12.52	12.52		12.52	12.52
<b>Total ML Area</b>	<b>112.521</b>	<b>525.82</b>	<b>638.341</b>	<b>132.904</b>	<b>525.82</b>	<b>658.724</b>

\* Out of 20.383 Ha proposed forest, 19.768 ha is included in Excavation area and 0.615 Ha included in safety zone area. It is to state that for proposed 20.383 Ha forest land diversion 0.903 Ha of area which includes 0.615 Ha forest and 0.288 ha of already acquired non-forest land is kept for safety zone area.

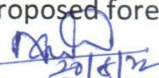
A detailed justification note for the requirement of 20.383 Ha of forest land for different purposes is enclosed along with a land use plan.


### 3. DETAILS OF DISPLACEMENT OF PEOPLE DUE TO THE PROJECT, IFANY:

There is no human habitation in the Forest area for diversions –

- (i) Number of families : NIL
- (ii) Number of Scheduled Castes / Scheduled Tribes families : NIL
- (iii) Rehabilitation Plan : NIL

However, in the non- forest land, about 1142 families (250-SC, 59-ST& Other families- 833) were residing and Rehabilitation and Resettlement of the 5 villages has almost been completed as per the approved R&R plan of State Govt. the status of R&R implementation as on 10.08.2022 is as follows. Only one village namely Naraharipur is associated with the proposed forest land and Resettlement is also completed.

  
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Bhubaneswari OCP											
Name of the project	Details status of Rehabilitation as on 10.08.2022						Details status of Resettlement as on 10.08.2022				
	Name of the Village	Total no of land oustees sponsored	No of employment provided	Cash in lieu of employment	No of land oustees not eligible	Balance	Total no of land oustees identified	No of land oustees provided plot	No of land oustees provided/offered cash in lieu of plot	No of land oustees not eligible	Balance
Bhubaneswari OCP	Jilinda	321	291	14	16	0	308	259	49	0	0
	Hensmul (Talasahi)	336	310	11	13	2	377	154	223	0	0
	Hensmul (Saharsahi)	63	57	3	3	0	59	20	39	0	0
	Naraharipur	363	344	6	8	5	398	0	398	0	0
	Khandualbahal	12	11	1	0	0	0	0	0	0	0
	<b>Total</b>	<b>1095</b>	<b>1013</b>	<b>35</b>	<b>40</b>	<b>7</b>	<b>1142</b>	<b>433</b>	<b>709</b>	<b>0</b>	

Detailed R&R scheme and implementation status is enclosed.

4. WHETHER CLEARANCE UNDER ENVIRONMENT (PROTECTION) ACTS, 1986 REQUIRED? (Yes /No).

Yes, M/s Go Green Solutions Pvt Limited, an autonomous and Expert Organization conducted Baseline Data generation in March –June, 2021 for EC clearance for Bhubaneswari OCP Expn Project. The matter is under process with MoEF&CC and Ministry of Coal; EC will be obtained under EP Act from MoEF&CC.

5. UNDERTAKING TO BEAR THE COST OF RAISING AND MAINTENANCE OF COMPENSTORY AFFORESTATION AND/ OR PENAL COMPENSATORY AFFORFSTATION AS WELL AS COST FOR PROTECTION AND REGENERATION OF SAFFTY ZONE ect., AS PER THE SCHEME PREPARED BY THE STATE GOVERNMENT (UNDERTAKING TO BE ENCLOSED)

An undertaking to bear the cost of raising and maintenance of Compensatory Afforestation and/or Penal Compensatory Afforestation as well as cost for protection and regeneration of safety zone etc. , as per the scheme prepared by State Government is enclosed . Bhubaneswari OCP, Jagannath Area, MCL also undertakes to deposit NPV as decided by the Forest Dept. and undertaking is enclosed.

Date 20/08/2022

Place: Angul

*[Signature]*  
Divisional Forest Officer  
Angul, Division

*[Signature]*  
General Manager,  
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