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महानदी कोलफील्ड्स लिमिटेड

Mahanadi Coalfields Limited

(A subsidiary of Coal India Limited)

MAHANADI COALFIELDS LIMITED
OFFICE OF THE PROJECT OFFICER
BHARATPUR OPENCAST PROJECT
PO: N. S.NAGAR, BHARATPUR,
Dist: ANGUL-759148 (ODISHA)
Phone: 06760-260237



Ref No. MCL/PO(BOCP)/Forest/2022-23/ 412

Date: 11.06.2023

Td

To,

- 1) The Director General of Forest (In-charge),
Ministry of Environment, Forest & Climate Change,
Eastern Regional Office, A/3, Chandrasekharpur,
Bhubaneswar, Odisha- 751023.
- 2) The Divisional Forest Officer,
Angul Forest Division, Angul.

Sub: Submission of compliance report of the Forest Clearance conditions for the FY 2022-23 in respect of Bharatpur OCP of M/s. Mahanadi Coalfields Limited.

Dear Sir,

In reference to the above cited subject, enclosed please find herewith the compliance report of the Forest Clearance conditions for the FY 2022-23 in respect of Bharatpur OCP of M/s. Mahanadi Coalfields Limited

This is for favour of your kind information, please.

Yours faithfully,

Encl: As mentioned above.

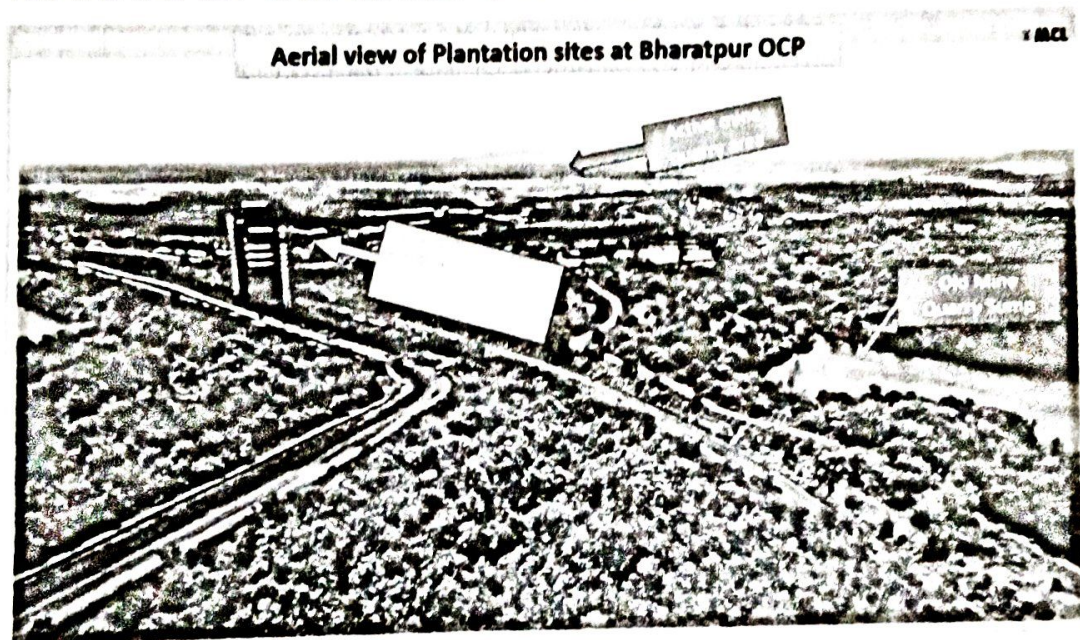
S.S.N.
11/06/23

Project Officer
Bharatpur OCP.

Copy to:

1. The General Manager (E&F), MCL HQ, Burla.
2. The general Manager, Bharatpur Area.
3. The Colliery manager, Bharatpur OCP.
4. The Area Env't. Officer, Bharatpur Area.
5. The Project Env't. Officer, Bharatpur OCP.
6. Office Copy.

COMPLIANCE REPORT (2022-23) OF STAGE-II
FOREST CLEARANCE IN RESPECT OF BHARATPUR
OPENCAST EXPANSION PROJECT OF M/S
MAHANADI COALFIELDS LIMITED



2022
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ANNUAL REPORT (FOR THE YEAR 2022-23) ON COMPLIANCE TO THE CONDITIONS
STIPULATED IN STAGE-II APPROVAL FOR THE DIVERSION OF 134.41 Ha OF FOREST LAND

COMPLIANCE REPORT OF THE CONDITIONS STIPULATED FOR "DIVERSION OF 134.41 Ha OF FOREST LAND INCLUDING 0.18 Ha TO BE MAINTAINED AS SAFETY ZONE IN ADDITION TO THE ALREADY DIVERTED 71.64 Ha OF FOREST LAND FOR BHARATPUR OPENCAST COAL MINING EXPANSION PROJECT OF M/s MAHANADI COALFIELDS LIMITED IN ANGUL DISTRICT OF ODISHA

Compliance Report (2022-23) of Stage-II Forest Clearance In Respect of Bharatpur Opencast Expansion Project of M/S Mahanadi Coalfields Limited

COMPLIANCE OF THE CONDITIONS FOR "DIVERSION OF 134.41 Ha OF FOREST LAND INCLUDING 0.18 Ha TO BE MAINTAINED AS SAFETY ZONE IN ADDITION TO THE ALREADY DIVERTED 71.64 Ha OF FOREST LAND FOR BHARATPUR OPENCAST COAL MINING EXPANSION PROJECT OF M/s MAHANADI COALFIELDS LIMITED IN ANGUL DISTRICT OF ODISHA.

REFERENCE:

- 1) STAGE -I CLEARANCE OBTAINED VIDE. F.NO. 8-87/2012-FC, DT. 15.03.2013
- 2) STAGE -II CLEARANCE WITH CORRIGENDUM OBTAINED VIDE.F.NO 8-87/2012 -FC DT. 7th FEBRUARY, 2014. FROM GOVERNMENT OF INDIA, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE (F.C.DIVISION)

Sl. No.	CONDITION IMPOSED	COMPLIANCE
i)	Legal status of the diverted forest shall remain unchanged	In compliance to this condition, we do hereby undertake that the legal status of the diverted forest land shall remain unchanged. Accordingly an undertaking to this effect is furnished as Annexure- I
ii	State Government shall raise and maintain compensatory afforestation over the degraded forest land double in extent to the forest land proposed to be diverted (i.e. 269 hectares) from funds already realized from the user agency.	An amount of Rs.64,69,000.00/- has been deposited for the above work in the Adhoc CAMPA by User agency. Work to be taken by State forest department
(iii)	Following activities shall be undertaken by the User Agency at the project cost	
a)	Appropriate mitigative measures to minimize soil erosion and choking of streams as per the scheme duly countersigned by the Divisional forest Officer, Angul.	The garland drains, catch drains, toe wall and retaining wall at bottom of OB dumps are constructed and being maintained regularly. Along with this OB dump slopes are also being stabilized by taking up plantation. Adequate mitigative measures to minimize soil erosion and choking of streams is being carried out as per the Scheme duly countersigned by Divisional Forest Officer, Angul
b)	Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion as per the scheme duly countersigned by the Divisional forest Officer, Angul.	Plantation over backfilled area with drought hardy plant species is being carried out by State Forest Agencies like OFDC, CGRVNL. Plantation has been done over 30.46 Ha of External OB dumps and over rest of the area natural vegetation has come up. However, plantation of more varieties of drought plant species on slope is under progress as per the scheme duly countersigned by Divisional

		Forest Officer, Angul
c)	Construction of check dams/ toe walls to arrest sliding down of the excavated material along the contour as per the scheme duly countersigned by the Divisional forest Officer, Angul.	Toe walls at bottom of OB dumps have been constructed wherever required. Check dams/toe wall or retaining walls over OB dump slope /bottom are being constructed during this year to arrest sliding down of the excavated material along the contour as per the scheme duly countersigned by Divisional Forest Officer, Angul
d)	Stabilize the overburden dumps by grading/ benching so as to ensure that angles of repose at any given place is less than 28° as per the scheme duly countersigned by the Divisional forest Officer, Angul.	Grading/ benching process is continuously being done to stabilize the overburden dumps as per the scheme duly countersigned by Divisional Forest Officer, Angul. Appropriate varieties of plant species also have been planted over OB slopes to stabilize the dumps.
e)	Strict adherence to the prescribed top soil management as per the scheme duly countersigned by the Divisional forest Officer, Angul.	Top soil is used concurrently for spreading over the technically reclaimed mined out land for biological reclamation. The Top soil removed up to March-2023 is 4491520.00 cubic meter. The area over which the said top soil has been spread is about 146.16 Ha for development of green belt and the work has been carried out departmentally. Other terms & conditions of topsoil management as prescribed is being adhered to as per the scheme duly countersigned by Divisional Forest Officer, Angul
(iv)	The State Government shall charge the additional amount of (NPV), if so determined, as per the final decision of Hon'ble Supreme court of India and transfer the same to the Ad-hoc CAMPA under intimation to the Ministry.	Cost of NPV Rs.13,65,90,030.00/- has been deposited. Further an under taking submitted to deposit the additional amount in Adhoc CAMPA under intimation to the Ministry, if so determined as per the final decision of Hon'ble Supreme Court of India
(v)	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986 if required;	Environmental clearance has already been obtained vide letter no. vide No.J-11015/630/ 2007-IA.II (M) dated 31 st October 2008 for Bharatpur Expn. OCP for 20 MTPY and subsequently amendment was obtained on dated 27.05.2021.
(vi)	The State Government shall raise penal compensatory afforestation from funds to be realized from the user agency, over degraded forest land double in the extent to the forest land utilized for non-forest purpose without obtaining approval under the FC Act;	An amount of Rs.5, 25,500/- has been deposited in Ad-hoc CAMPA for penal compensatory afforestation of 21.50 ha.

(vii)	The concerned Regional Office of the MOEF shall initiate appropriate proceedings under section-3 A and section-3 B of the FC Act against persons responsible for violations of the FC Act.	As per MoEF&CC approved corrigendum vide letter.F.No.8-87/2012-FC, Dt. 07.02.14 the condition No.2 (xii) had been deleted from stage-I approval.
(viii)	The user agency & the state Government shall implement site specific wildlife conservation plan duly approved by the Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha from provided/to be provided by the user agency.	We do hereby undertake to implement site specific wildlife conservation plan duly approved by the Principal Chief Conservator of forests (Wildlife) & Chief Wildlife Warden, Odisha and an amount of Rs.7,40,11,680/-has been deposited in Ad-hoc CAMPA.
(ix)	The user agency should take appropriate measures such as construction of ponds, water conservation/ harvesting structure, to ensure conservation of water in and around the project site;	06 nos. of rain water harvesting structures have been constructed inside the project office boundary at a cost of 8.92 lakh. Along with this three more rain water harvesting units for conservation of storm water in and around the project was also constructed. construction of ponds & other water conservation programmes in and around the project site will also be carried out if required.
x)	The user agency organize environmental awareness programme to generate awareness among the employees as well as local residents on issue pertaining to conservation and protection of environment as per scheme provided by them.	We do here by undertake to "Provide adequate fund to the Forest/Environment department for environmental awareness programme to generate awareness among the employees as well as local residents on issue pertaining to conservation and protection of environment as per scheme duly countersigned by the Divisional forest Officer, Angul". An amount of Sixty eight thousand was expended towards environment awareness programmes during 2022-23.
(xi)	The State Government shall implement recommendations of the biodiversity study undertaken by the Sambalpur University from funds to be provided by the user agency	The biodiversity study has been undertaken by Sambalpur University and the report had been submitted to DFO, Angul for necessary action. Further we do hereby declare to provide sufficient funds as demanded by State government to implement the recommendations of the biodiversity study.
(xii)	State Forest Department shall undertake fencing, protection and afforestation of the safety zone area (7.5 meter strip all along the outer boundary of the area identified to undertake mining) of the area proposed to be used for surface use, at the project cost;	An amount of Rs.65, 65,000/- has been deposited in Ad-hoc CAMPA for the above job to be undertaken by State Forest Department.
(xiii)	State Forest Department shall undertake afforestation on degraded forest land, one and half time in extent to the area used for safety zone.	An amount of Rs.4,03,000.00/- has been deposited in Adhoc CAMPA for the above job to be undertaken by State Forest Department.

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(xiv)	<p>The period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease granted under the Mines and Minerals (Development & Regulating) Act, 1957 or the Rules framed there under, subject to a maximum period of 30 years;</p>	<p>The total land acquired under CBA (A&D) Act, 1957 for which rights in & over the land absolutely vested in favor of central PSU Mahanadi Coalfields Limited u/s 11 of this Act. There is no provision of Renewal of lease & MCL is the absolute owner of the coal block. We do here by undertake that "The period of diversion for Bharatpur opencast coal mining expansion project of M/s Mahanadi Coalfields Limited under this approvals shall be for a period co-terminus with the period of the mining lease granted under Mines & minerals (Development & Regulating) Act, 1957, or rules framed there under, subject to a maximum period of 30years.</p>
(xv)	<p>User Agency shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.4), if any, located in the area within 100m. from outer perimeter of the mining lease;</p>	<p>Gap plantation and soil and moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.4), if any, located in the area within 100 mt. from outer perimeter of the mining lease would be undertaken by DFO, Angul Division.</p>
(xvi)	<p>The User Agency shall undertake de-silting of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks/ water bodies, as per the scheme duly countersigned by the Divisional Forest Officer, Angul.</p>	<p>De-siltation had been carried out in four numbers of village ponds of villages namely, Badasinghada, Nakeipasi, Jambhubahali and Karnapur. De-siltation of village ponds/tanks which are located within five kilometers from mine lease boundary will be undertaken in due course of time so as to mitigate impact of siltation on such tanks, as per the scheme duly countersigned by Divisional Forest Officer, Angul.</p>
(xvii)	<p>The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan shall be executed by the User Agency from the very first year and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest(Conservation) Act, 1980, Government of Orissa and the Chief Conservator of Forests (Central), ministry of Environment & Forests, Regional Office (Eastern Zone), Bhubaneswar. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities are satisfactorily executed;</p>	<p>The Mining is being undertaken in a phased manner after taking due care for reclamation of the mined over area. The overburden is being concurrently backfilled up to prescribed ground level after which the technical reclamation is carried out followed by biological reclamation.</p>

xviii)	No labour camp shall be established on the forest land;	No labour camp has been established over forest land and we do hereby undertake that no labour camp shall be established on the forest land. Accordingly an undertaking to this effect is furnished as Annexure- II
xix)	State Government and user agency shall monitor the mining induced subsidence and take appropriate mitigative measures to ensure that it remains within the permissible limit;	Not applicable for Opencast Project Project.
xx)	The User Agency shall provide firewood preferably alternate fuel to the labourers and the staff working at the site so as to avoid any damage and pressure on the adjacent forest areas.	The project has been providing cost of LPG to the employees/workman engaged in the project so as to avoid any damage and pressure on the adjacent forest areas & in future the same system is to be maintained.
(xxi)	Boundary of the mining lease and safety zone shall be demarcated on ground at the project cost. By erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, forward and back bearing and distance from the pillar to pillar.	The boundary of mining lease area and safety zone area has been demarcated with suitable pillars showing serial number, GPS co-ordinate and, Foreword & backward bearing and distance from adjoining pillars.
(xxii)	The forest land shall not be used for any other purpose other than that specified in the proposal;	We do hereby undertake that, the forest land will not be used for any other purpose other than that specified in the proposal. An undertaking to this effect is furnished as Annexure- III
(xxiii)	Any other condition that the Regional Office (Eastern Zone), Bhubaneswar of this Ministry, Bhubaneswar and State Government of Odisha may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife.	We do hereby undertake that, any other condition stipulated by the Regional Office (Eastern Zone) , Bhubaneswar and State Government of Odisha will be complied from time to time, in the interest of conservation, protection and development of forests & wildlife. Accordingly an undertaking to this effect is furnished as Annexure- IV .
(xxiv)	The user agency shall submit the annual report on compliance to condition stipulated in the approval to the State Government and the concerned Regional Office of this Ministry; and	The annual report on compliance to conditions stipulated in the approval will be submitted regularly to the State Government and the concerned Regional Office of this Ministry.

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(xxv)	The User Agency and the State Government shall ensure compliance to provisions of the all Acts, Rules, regulations and Guidelines, for the time being in force, as applicable to the project	It is ensured that provision of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project will be complied.
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5/11/22 06/22

Project Officer
Bharatpur Opencast Project
Mahanadi Coalfields Limited.



STAGE -II CLEARANCE WITH CORRIGENDUM OBTAINED VIDE.F.NO 8-87/2012 -FC DT. 7th
FEBRUARY, 2014. FROM GOVERNMENT OF INDIA, MINISTRY OF ENVIRONMENT, FORESTS &
CLIMATE CHANGE (F.C.DIVISION)

ANNEXURE-1

UNDERTAKING BY PROJECT AUTHORITY
(Condition No. i)

We do hereby undertake that the legal status of the diverted forest land shall remain unchanged.

SLH
11/04/23

Project Officer
Bharatpur Opencast Project
Mahanadi Coalfields Limited.



ANNEXURE-II

UNDERTAKING BY PROJECT AUTHORITY
(Condition No. xviii)

We do hereby undertake that no labour camp shall be established on the forest land.

SSH
11/06/23

Project Officer
Bharatpur Opencast Project
Mahanadi Coalfields Limited.



STAGE -II CLEARANCE WITH CORRIGENDUM OBTAINED VIDE.F.NO 8-87/2012 -FC DT. 7th
FEBRUARY, 2014. FROM GOVERNMENT OF INDIA, MINISTRY OF ENVIRONMENT, FORESTS &
CLIMATE CHANGE (F.C.DIVISION)

ANNEXURE-III

UNDERTAKING BY PROJECT AUTHORITY
(Condition No. xxii)

We do hereby undertake that the forest land shall not be used for any other purpose other than that specified in the proposal.

ssw
11/06/23

Project Officer
Bharatpur Opencast Project
Mahanadi Coalfields Limited.



423

ANNEXURE-IV

UNDERTAKING BY PROJECT AUTHORITY
(Condition No. xxlii)

We do hereby undertake that, any other condition that the Regional Office (Eastern Zone), Bhubaneswar of MoEF&CC, Bhubaneswar, Govt. of India and State Government of Odisha may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife.

SW
17/06/23

Project Officer
Bharatpur Opencast Project
Mahanadi Coalfields Limited.

