

Letter No: OCPL/578

Date: 28.09.2021

To
The Member Secretary,
State Pollution Control Board, Odisha
Paribesh Bhawan, A/118
Nilakantha Nagar, Unit-VIII
Bhubaneswar-751012

Sub: Submission of Annual Environmental Statement in Form –V for the year 2020-2021 of Odisha Coal & Power Ltd. for Manoharpur Coal Mine Project

Ref: (i) Environmental Clearance Letter No. J-11015/139.2008-IA.II(M) dated 21.02.2014
(ii) Environment Clearance transferred in favour of OCPL vide Letter No: J-11015/139/2008-IA-II(M) dated.30.12.2015.
(iii) Amendment in EC by MoEF&CC vide letter dated 06.11.2019
(iv) SPCB Consent to Operate (Renewal) Order No. 2851 vide letter No. 4766/IND-I-CON-6454 dated 23.03.2021


Sir,

In reference to the letters cited above, please find enclosed the annual Environmental Statement in Form –V for the financial year 2020-2021 for Manoharpur Coal Mine Project of Odisha Coal & Power Ltd. situated at Village Manoharpur, Tehsil: Hemgir, IB Valley Coal Field in Sundargarh District, Odisha.

This is for your kind perusal.

Thanking you.

Yours faithfully,


Agent *28/9/21*
(Manoharpur Coal Mine Project)

Encl: As above.

Copy to: i. Addl. Principal Chief Conservator of Forests (C), Regional Office, Eastern Region; Ministry of Environment & Forest and Climate Change (MoEF&CC); A-3, Chandrasekharpur, Bhubaneswar, Odisha - 751023
ii. The Regional Officer, State Pollution Control Board, Plot no. 370/5971, at Babubagicha (COx Colony), St. Marry Hospital Road, Jharsuguda, Odisha - 768203.

**ENVIRONMENTAL STATEMENT
IN FORM-V**

(Under Rule-14, Environmental protection Rules, 1986)

(2020-2021)

FOR

**Manoharpur Opencast Coal Mine Project (8 MTPA) of
Odisha Coal & Power Limited**



Odisha Coal and Power Limited,
Zone-A, Ground Floor, Fortune Tower,
Chandrasekharpur, Bhubaneswar-751023, Odisha

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EXECUTIVE SUMMARY

- E-1 Odisha Coal and Power Limited (OCPL) is a company incorporated under the Companies Act 2013, India. OCPL is a Government company as defined by Section 2(45) of the Companies Act, 2013, which was formed as a joint venture Company of Odisha Power Generation Corporation Limited (OPGC) and Odisha Hydro Power Corporation Limited (OHPC), with a shareholding pattern of 51% and 49% respectively. OCPL has been allocated with two coal blocks, namely Manoharpur and Dip-side of Manoharpur by Ministry of Coal (MoC), Government of India (GoI). The coal blocks are located in IB Valley Area in Sundargarh District, Odisha.
- E-2 In compliance with the Environment (Protection) Rules, 1986; Condition stipulated in EC accorded by MoEF&CC vide letter dated 21.02.2014 & 30.12.2015 (transfer of EC to OCPL), Environmental statement for Manoharpur Opencast Coal Mine Project (8 MTPA) for the FY 2020-2021 has been prepared. This report is prepared with a view to fulfil the statutory obligations laid down by Ministry of Environment, Forests and Climate Change (MoEF &CC) / State Pollution Control Board (SPCB), Odisha.

CHAPTER – I

INTRODUCTION

1.1. GENESIS:

As per condition no. xix (Part B; General Conditions) stipulated in Environmental Clearance (EC); the environmental statement for each financial year ending 31st March in Form-V is mandated to be submitted by the Project Proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 and as amended subsequently, and shall also be uploaded in the Company's web-site along with the compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF &CC by E-mail.

In compliance with the above, the work of Environmental Statement ending with 31st March, 2021 in Form-V for Manoharpur Opencast Coal Mine Project (8 MTPA) of OCPL has been prepared.

1.2. COAL BLOCK/ PROJECT DESCRIPTION:

OCPL has been allocated with two coal blocks, namely Manoharpur and Dip-side of Manoharpur by Ministry of Coal, Government of India. The coal blocks are located in IB Valley Coal Field in Sundargarh District, Odisha. Manoharpur and Dip side of Manoharpur blocks are contiguous blocks having a common boundary. Manoharpur block was fully explored and Dip side of Manoharpur block was regionally explored at the time of allocation. Later, the exploration of Dip-side of Manoharpur is completed and an Integrated Geological Report has been prepared by CMPDI. As per the approved Mining Plan (Rev III), the net geological reserve of Manoharpur & Dip-side Manoharpur coal block is 978.47 MT (within two geological blocks as per IGR). The maximum depth of the Manoharpur coal mine will be around 214m. OCPL has planned to mine the Manoharpur coal block by shovel Dumper combination for OB removal & surface miner for coal production.

1.2.1. COMMUNICATION:

Manoharpur block is about 45km away from Sundargarh along Sundargarh-Hemgir road which passes near the block. It is also connected by black top road with two

important towns of Odisha viz. Rourkela (145km) and Jharsuguda (75km). The nearest railway station is Hemgir, lying on the Mumbai-Howrah main line and is about 20 km. away from Manoharpur Block.

1.3. ENVIRONMENTAL SCENARIO:

Currently, monthly environmental monitoring i.e. Ambient Air Quality, Ambient Noise Quality, Ground Water Quality, Surface Water Quality etc. is being carried out by MoEF&CC/NABL/OSPCB accredited laboratory i.e. M/s Visiontek Consultancy Services Pvt. Ltd. in the core zone and buffer zone of the proposed project site. The monitoring reports showing the results of above mentioned environmental parameters is being submitted monthly basis to Odisha State Pollution Control Board (OSPCB). The copy of acknowledgement receipt for the latest months Jan, Feb and March'21 in this regards is attached as **Annexure 1** for your ready reference.

Further in addition to above, we would like to submit that, the mine has commenced production of coal in October 2019 and started dispatching of same to Kanika siding of MCL by road w.e.f. 14-12-2019 and OPGC Power Plant through ACB siding w.e.f. 09.06.2021. During the FY 2020-21, approx. 2.001 MT coal has been produced from the Manoharpur Coal mine block. It is pertinent to mention that transportation of coal to Kanika siding of MCL has been done in compliance to limits as prescribed by MoEF&CC and in accordance with the Clause 8.5 of the Allotment Agreement signed with Ministry of Coal (MoC) following the norms/standards as prescribed by the Statutory Authorities.

CHAPTER – II

ENVIRONMENTAL STATEMENT

FORM – V

Environmental Statement for the financial year ending 31st March, 2021

PART – A

a. NAME AND ADDRESS OF THE OWNER/ OCCUPIER

Name : Odisha Coal and Power Limited
:
:
Address : Corporate Office : Zone A, Ground Floor, Fortune
Towers, Chandrasekharpur, Bhubaneswar – 751023
:
Site Office: Odisha Coal and Power Limited, Near Indian
Oil Petrol Pump, At / Po – Hemgir, Sundargarh - 770013
Place : Manoharpur Opencast Coal Mine Project
Tehsil : Hemgir
District : Sundargarh
State : Odisha

- b. INDUSTRY CATEGORY : Coal Mining – Red Category
c. PRODUCTION CAPACITY : 8 MTPA
(Coal Production during FY 2020-21) : 2.001 MT
d. YEAR OF ESTABLISHMENT : 2016
e. DATE OF THE LAST ENVIRONMENTAL STATEMENT SUBMITTED : 30.09.2020

PART – B
WATER AND RAW MATERIAL CONSUMPTION

(I) WATER CONSUMPTION (Cu. m/day):

		During Previous Financial Year (2019-2020) m3/day	During Current Financial Year (2020-2021) m3/day
A	MINING	MINING (Water Utilized)	
i.	Water utilized for sprinkling during excavation of Top soil and OB (including dust suppression on Haul Road)	55	330
ii.	Dust Suppression (During coal production)	11	49
iii.	Fire fighting	1	16
iv.	Workshop	3	12
v.	Others activities	1	4
B.	DOMESTIC PURPOSE	39	71
	TOTAL	110	482

WATER CONSUMPTION PER UNIT OF PRODUCT (Litre/Tonne)

Name of product	Water consumption per unit of product (ℓ/t)	
	During Previous financial year (2019-2020)	During current financial year (2020-2021)
ROM Coal	Coal Production – Approx. 1 MTPA Water Consumed (ℓ/t) – 40	Coal Production – Approx. 2.001 MTPA Water Consumed (ℓ/t) – 87.92

Note- Only for Production Purpose

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(II) RAW MATERIAL CONSUMPTION (Per Tonne of Coal):

Sr. No.	Name of raw material	Consumption of raw material (per tonne of coal produced)	
		During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
1.	Lubricants (ℓ/t)	0.007	0.015
2.	Explosive (kg/t)	0.39	0.75
3.	Electricity (unit/t)	0.046	0.09

PART – C

POLLUTION GENERATED

Pollution	Quantity of pollutants discharged	Concentration of Pollutants in discharges	Percentage variation from prescribed standards with reasons
WATER	<u>Mine Effluent</u> – NIL as the effluent generated from the mine area was treated through the settling cum sedimentation tank (sump) within the mine site and the treated effluent was utilized for water sprinkling purpose within the mine premises.	Not Possible to Quantify	Not Monitored
	<u>Domestic Effluent</u> –Septic tank has been provided to collect the domestic effluent.		
AIR*	Annual Average (Ambient Air Quality of One Station located within the Project Boundary – OCPL Office (CHP))		
PM ₁₀	Not Possible to Quantify	75.15 µg/m ³	Within the prescribed standards under NAAQS, 2009.
PM _{2.5}		40.31 µg/m ³	
SO _x		23.38 µg/m ³	
NO _x		30.94 µg/m ³	
*Note: The environmental parameters for ambient air quality (i.e. PM ₁₀ , PM _{2.5} , SO _x , NO _x) are within the permissible limits as prescribed under NAAQS, 2009. The monthly monitoring has been carried out by MoEF&CC/NABL/OSPCB accredited laboratory i.e. M/s Visiontek Consultancy Services Pvt. Ltd. in the core zone (4 locations) and buffer zone (4 locations) and the analysis reports are being regularly submitted to OSPCB (HO-BBSR and RO-JSG). The acknowledgement receipts in this regard for the 4 th quarter of FY 2020-21 (Jan'21 to Mar'21) are enclosed as Annexure 1 for your kind reference.			

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PART – D

HAZARDOUS WASTE

(As specified under Hazardous Waste Management and Handling Rules, 1989 & subsequent latest notification on HWM Rules, 2016)

SI	Hazardous waste	Total Quantity	
		During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
A.	From process	From process (Machineries)	From process (Machineries)
	i) Used oil / Spent oil from Machineries or workshop etc.	i) 5677 Litres	i) 8504 Litres
	ii) Used Batteries	ii) 70 Nos.	ii) 60 Nos.
	iii) Oil soaked filters	iii) 286 Nos.	iii) 450 Nos.
B.	From pollution control facilities i) Oily Sludge	649 Kg	654 kg

PART – E

SOLID WASTE

SI	Particulars	Total quantity (In Million Cu.m)	
		During Previous Financial Year (2019-2020)	During Current Financial Year (2020-2021)
a.	From process (Top Soil and Over Burden from Mining)	2.49 MCum	Total = 7.57 MCum
b.	From pollution control facilities	NIL	NIL
c.	Quantity recycled or reutilized	The excavated top soil and OB was stored at the earmarked location as per the approved Mining Plan except few quantity of OB & top soil which were utilized in mine development activities.	The excavated top soil and OB have been stored at their earmarked location as per the approved Mining Plan except few quantity of OB & top soil which were utilized in mine development activities.

PART – F

PLEASE SPECIFY THE CHARACTERISTICS (IN TERMS OF CONCENTRATION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTE AND INDICATE THE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTE.

(I) Hazardous Waste

Name of Hazardous waste	Quantity generated in the Year 2020-21	Disposal Practices
Used Oil / Spent Oil from machineries/ Workshop / DG sets etc.	8504 Litres	The quantity of generated used oil / spent oil was stored at site at an earmarked place and has been handed over to authorized / local vender for further Recycle/ Reprocess/ Reuse purpose. Collected and stored as per applicable norms/standards as prescribed by the competent authorities.
Used Batteries	60 Nos.	
Oil soaked filters	450 Nos.	
Oily Sludge	654 Kg.	

(II) Solid Waste

Name of Hazardous waste	Quantity generated in the Year 2020-21	Disposal Practices
Top Soil and Over Burden (OB)	7.57 Mcum	The excavated top soil and OB have been stored at their earmarked location as per the approved Mining Plan except few quantity of OB & top soil which were utilized in mine development activities.

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PART – G

IMPACT OF POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND CONSEQUENTLY ON COST OF PRODUCTION

In order to carry out mining in an eco-friendly manner the following pollution control measures have been implemented at site.

1. AIR POLLUTION CONTROL MEASURES:

The following measures have been taken to control air pollution.

Sr. No.	EMP Provisions	Whether Provided or Not	Remarks
1	Water Sprinkling on haul roads and coal transportation roads, Coal Stock yard, OB dumps etc.	Provided	Total 5 nos. of water tankers of capacity 28KL (1 Nos.) and 12 KL (4 Nos.) have been deployed at site for water sprinkling purpose.
2	Development of Green Belt	Under Progress	Approx. 1673 nos. of plant species have been planted during the FY 2020-21 under the development of green belt in & around the site comprises of native species i.e. neem, jack fruit, mango, amla, guava, ashok, cassia, sitafal, Debadaru etc.
3	Grass carpeting on top soil dump	Provided	To reduce the soil erosion from top soil dump area, grass seeding has been carried out.
4	Improved maintenance of plant & machinery	Provided	Maintenance of machineries / equipment's have been carried out as their maintenance schedule.

2. WATER POLLUTION CONTROL MEASURES:

The following measures will be taken to control water pollution from mine:

Sr. No.	EMP Provisions	Whether Provided or Not	Remarks
1	Mine water is being collected in sump provided within mine pit will also act as sedimentation lagoon.	Provided	Sump will act as sedimentation lagoon to settle sediment

Sr. No.	EMP Provisions	Whether Provided or Not	Remarks
			particles in sump.
2	Surface run-off from OB dump is being collected through catch drains/foot drains connected to sedimentation pond. The clear water from this pond will be re-utilized for dust suppression purpose.	Provided	The generated run off from OB dump has been channelized to sedimentation cum recharge pond through the garland drain provided around the OB dump.
3	Domestic waste water is being treated through the mobile tankers via provision of septic tank.	Septic tank has been Provided.	The generated domestic waste water is being collected to Septic Tank and will be treated through the mobile tanker facility.

3. NOISE POLLUTION CONTROL MEASURES:

The following measures have been taken to control noise pollution from mine:

- i) Regular maintenance of machines and other equipment at workshop.
- ii) Developing green belt in & around the vacant spaces of mine.

4. LAND DEGRADATION CONTROL MEASURES

Backfilling of over burden in the de-coaled area is under primary stage. Adequate plantation measures will be taken up over the back filled area and land will be restored as per approved mine closure plan.

PART – H

ADDITIONAL INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION

OCPL will do the necessary investment as per the Environment Management Plan approved in Environment Clearance by MoEF &CC.

PART – I

ANY OTHER PARTICULARS IN RESPECT OF ENVIRONMENTAL PROTECTION AND ABATEMENT OF POLLUTION

As mentioned above in Chapter 1, The Environmental Monitoring is being carried out by MoEF&CC/NABL/OSPCB accredited laboratory M/s Visiontek Consultancy Services Pvt. Ltd. in the core zone and buffer zone of the proposed project site as per the guideline of MoEF &CC/CPCB and based on the result there of, company will take necessary pollution preventive action, if needed.

ANNEXURE-1

Manoharpur Coal Mine Project,
Coalfields India Corporation (CIL),
Plot No. 13, Sector 7, I.I.D.,
Ward No. 10, Bhubaneswar,
Odisha-751013, India

With submission of Monthly Compliance Document in respect of Manoharpur Coal Mine
Project of Odisha Coal and Power Limited

Sir,

This has reference to the Consent to Operate (CTO) issued by your good office vide letter
no. 2202/IND-1/COM-6454 dated 28.02.2018/Consent Order No. 2851. We hereby submit the
environment monitoring reports of Ambient Air Quality, Noise, Ground water, Surface
water, Meteorological data etc. (Refer Annexure 1) and the details of generated solid waste
i.e. Top soil / OB (Refer Annexure 2) for the Manoharpur Coal Mine Project of Odisha Coal
and Power Limited for the month of January 2021.

This is for your kind perusal.

Thanking You

For Odisha Coal and Power Limited

(AGM-Mechanical)

Manoharpur Coal Mine Project

Encl: as above

CC: The Regional Officer, State Pollution Control Board, Plot No. 370/5971, AI - Sahubaniha
(Cox Colony) St. Mary Hospital Road, Inarsuguda (with enclosure)



Odisha
Coal and
Power
Limited

Odisha Coal and Power Limited
(A Government of Odisha Company)
CIN: U10100OR2015SGC016623
Website: www.ocpl.org.in

Letter No. – MCMP/Env/2021/159

Date – 17.03.2021

To,

The Member Secretary,
State Pollution Control Board (SPCB),
Paribesh Bhawan, A/118,
Nilkantha Nagar, Unit-VIII
Bhubaneswar-751012
Odisha

Sub: Submission of Monthly Compliance Document in respect of Manoharpur Coal Mine Project of Odisha Coal and Power Limited

Dear Sir,

This has reference to the Consent to Operate (CTO) issued by your good office vide letter no. 2208/IND-I-CON-6454 dated 28.02.2018/Consent Order No. 2851, we hereby submit the environment monitoring reports of Ambient Air Quality, Noise, Ground water, Surface water, Meteorological data etc. (Refer Annexure 1) and the details of generated solid waste i.e. Top soil / DB (Refer Annexure 2) for the Manoharpur Coal Mine Project of Odisha Coal and Power Limited for the month of February 2021.

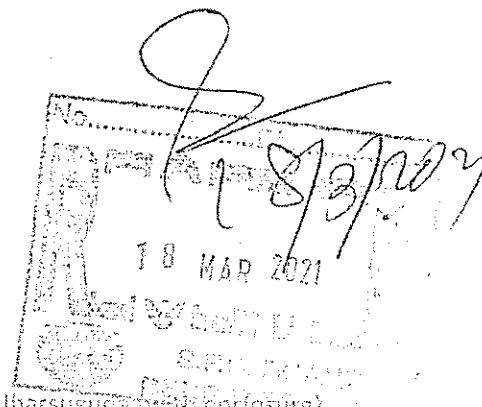
This is for your kind perusal.

Thanking You
Yours Faithfully,
For Odisha Coal and Power Limited


Agent
Manoharpur Coal Mine Project

Encl: as above

CC: The Regional Officer, State Pollution Control Board, Jharsuguda (with enclosure).



Account
mules
14/4/2021



Odisha
Coal and
Power
Limited

Odisha Coal and Power Limited
(A Government of Odisha Company)
CIN: U10100OR2015SGC018623
Website: www.ocpl.org.in

Letter No. - MCMP/CTO/2021/ 268

Date - 17-05-2021

To,

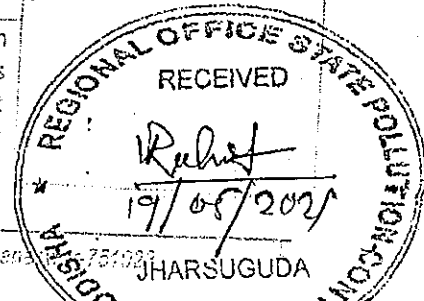
The Member Secretary,
State Pollution Control Board (SPCB),
Paribesh Bhawan, A/118,
Nilkantha Nagar, Unit-VIII
Bhubaneswar-751012
Odisha

Sub: Submission of Compliance Document's including Monthly Environmental Monitoring Reports
(March 2021) in respect of Manoharpur Coal Mine Project of Odisha Coal and Power Limited

Dear Sir,

This has reference to the Consent to Operate (CTO) issued by your good office vide letter no. 2208/IND-I-CON-6454 dated 28.02.2018/Consent Order No. 2851, OCPL would like to mention that due to COVID - 19 Pandemic situation, the submission of compliance documents was delayed and now the same is complied as follows:

Sr. No	CTO Condition no.	Particular Details	Reply (Compliance)																					
POINT D: GENERAL CONDITIONS FOR UNITS WITH INVESTMENT OF MORE THAN RS. 50 CRORES AND 17 CATEGORIES OF HIGHLY POLLUTING INDUSTRIES (RED A)																								
1	Point no. B: (in Table)	Emission permitted through the following stack subject to the prescribed standard <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Chimney Stack No.</th> <th>Description of Stack</th> <th>Stack height (m)</th> <th>Quantity of emission</th> <th>Prescribed Standard</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>PM (mg/Nm3)</td> <td>SO₂</td> <td>NO_x</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Chimney Stack No.	Description of Stack	Stack height (m)	Quantity of emission	Prescribed Standard							PM (mg/Nm3)	SO ₂	NO _x								Not Applicable
	Chimney Stack No.	Description of Stack	Stack height (m)	Quantity of emission	Prescribed Standard																			
					PM (mg/Nm3)	SO ₂	NO _x																	
Point no. C: (in Table)	Details of solid waste permitted in the following manner <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sl. No</th> <th>Type of solid waste</th> <th>Quantity generated (TPD)</th> <th>Quantity to be reused onsite (TPD)</th> <th>Quantity to be reused off site (TPD)</th> <th>Quantity disposed off (TPD)</th> <th>Description of disposal site</th> </tr> </thead> <tbody> <tr> <td></td> <td>Top soil / over burden</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Sl. No	Type of solid waste	Quantity generated (TPD)	Quantity to be reused onsite (TPD)	Quantity to be reused off site (TPD)	Quantity disposed off (TPD)	Description of disposal site		Top soil / over burden						Kindly refer Annexure 1.								
Sl. No	Type of solid waste	Quantity generated (TPD)	Quantity to be reused onsite (TPD)	Quantity to be reused off site (TPD)	Quantity disposed off (TPD)	Description of disposal site																		
	Top soil / over burden																							
Point no. D: Red A - 1/	(GC) The applicant shall analyse the emissions every month for the parameters indicated in Table B & C as mentioned in this order and shall furnish the report thereof to the Board by the 10 th of the succeeding month.																							





**Odisha
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OCPCL Limited

2	Point no. D: (GC Red A - 2)	The applicant shall provide and maintain at his own cost three ambient air quality monitoring stations for monitoring Suspended Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen, Hydro-Carbon, Carbon-Monoxide and monitor the same once in a day/week/fortnight/month. The data collected shall be maintained in a register and a monthly extract be furnished to the Board.	OCPCL Limited like to submit that the ambient air quality is being monitored regularly in core zone (4 locations) and buffer zone (4 locations) on fortnightly basis at each location by MoEF&CC/NABL/OSPCB accredited laboratory M/s Visiontek Consultancy Services Pvt. Ltd. The data / result obtained from the analysis shows that all monitored parameters i.e. PM ₁₀ , PM _{2.5} , SO _x , NO _x , CO are within the limits as prescribed by MoEF&CC/CPCB. The copy of monitoring report in this regard for the month of March 2021 is attached herewith as Annexure 2 for your kind consideration. Apart from the above, monitoring of noise level, potable water quality, surface water quality, ground water quality is also being carried out on monthly basis. The analysis report for the same is also attached with Annexure 2.
3	Point no. D: (GC Red A - 3)	The applicant shall provide and maintain at his own cost a meteorological station to collect the data on wind velocity, direction, temperature, humidity, rainfall, etc. and the daily reading shall be recorded and the extract sent to the Board once in a month.	Temperature, humidity, rainfall etc. are being daily recorded at site and a monthly extract of the same for March 2021 is attached as Annexure 3.
4	Point no. D: (GC Red A - 4)	The applicant shall forward the following information to the Member Secretary, State Pollution Control Board, Orissa, Bhubaneswar regularly. a. Report of analysis of stack monitoring, ambient air quality monitoring meteorological data as required every month.	a. ambient air quality monitoring and meteorological data - Kindly Refer Annexure 2 & 3. b. Progress on planting of



		b. Progress on planting of trees quarterly.	
POINT E : SPECIAL CONDITIONS			
5	Point no. E: (SC-13)	Adequate Ambient Air Quality Monitoring Stations (at least 04 nos.) shall be established in core as well as in buffer zone and locations shall be decided in consultation with the Regional Officer, State Pollution Control Board. Monitoring of parameters shall as SPM, PM10, PM2.5, SO ₂ and NO _x shall be done.	Kindly refer Point no. 2 as mentioned above.
6	Point no. E: (SC-14)	Monitoring of Ambient Air Quality of the mine shall be done once in a fortnight (24 hourly) and data shall be submitted to the State Pollution Control Board once in six months.	Kindly refer Annexure 2.
7	Point no. E: (SC-23)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells. The monitoring should be done four times a year in pre-monsoon (April/May), monsoon (August), post-monsoon (November) and winter (January) seasons. Data thus collected should be submitted to the Board quarterly.	OCPL would like to submit that the monthly ground water quality monitoring is being carried out at 3 locations (1 location in core zone and another 2 locations in buffer zone) by MoEF&CC/NABL/OSPCB accredited laboratory M/s Visiontek Consultancy Services Pvt. Ltd. The data / result obtained from the analysis shows that all monitored parameters are within the limits as prescribed by ISO/MoEF&CC. The copy of monitoring report in this regard for January month 2021 (Winter Season) is attached herewith as Annexure 5 for your kind consideration.
8	Point no. E: (SC-26)	Plantation of trees shall be undertaken in the colony/ township, over top soil dumps, OB dumps, along the side of haul road and in other areas of the mines not being utilized for mining activities. The mine shall take up avenue plantation and plantation in nearby village areas in consultation with DFO/Horticulture Department. The plantation details shall be submitted to the Board before end of March every year.	Plantation has been carried out in and around the mine area as well as in surrounding (i.e. R&R Colony) also. Till date, more than 22,000 tree saplings have been planted. The details of the same is provided in Annexure 4.
Point no.		The coal production status of the stipulated conditions	
		The monthly	



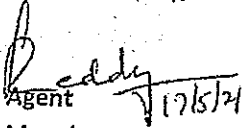
**Odisha
Coal and
Power**

OCPL Limited

	E: (SC-27)	shall be submitted to the Board latest by 30th April every year.	production status of the mine for the FY 2020-21 is attached herewith as Annexure 6 for your ready reference.
10	Point no. E: (SC-29)	The mine shall submit a declaration by 30th of April every year that all pollution control systems are in good condition, operated and ambient air quality as well as wastewater quality conforms to the prescribed standards	Kindly refer Annexure 7.

This is for your kind perusal.

Thanking You
Yours Faithfully,


Agent

Manoharpur Coal Mine Project

Encl: as above

✓ CC: The Regional Officer, State Pollution Control Board (Jharsuguda), Plot No. 370/5971, At - Babubagicha (Cox Colony) St. marry Hospital Road, PO- Industrial Estate, Dist.-Jharsuguda- 768203 (with enclosure). (with enclosures)