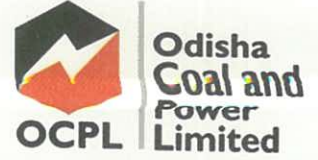


Letter No. OCPL/ 738

Date: 26-11-2021



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

To,

The Member Secretary,
State Environment Impact Assessment Authority (SEIAA), Odisha
Qr. No. 5RF-2/1, Unit-IX,
Bhubaneswar – 751022

Sub: Submission of Half Yearly Compliance Report of the Environmental Clearance conditions of "OCPL Mines Colony – Manoharpur Township Project in a plot area of 98256.92 Sq.mt over an area of 24.28 acres with built-up area of 37622 Sq.mt" at Sarbahal Village, Tehsil Hemgiri, District Sundargarh of Odisha Coal & Power Limited.

Ref: (i) EC letter Ref. No. 7669/SEIAA (SEIAA File No. 111991/05-MIS/07-2019) dated 13.12.2019 (Refer Appendix I)

Dear Sir,

In reference to the notification issued by MoEF&CC vide letter S.O. 5845 (E) dated 26.11.2018 and Environmental Clearance as referred above in respect of "OCPL Mines Colony – Manoharpur Township Project" of Odisha Coal & Power Limited located at Sarbahal Village, Tehsil Hemgiri, Dist. Sundargarh, Odisha. Please find enclosed herewith Half Yearly Compliance Report in soft copy (by email) and hard copy of same is being couriered to your good office for the period of April 2021 to September 2021.

This is for your kind information and needful action at your end.

Yours Faithfully

Valmiki Sahu
26.11.2021

Agent

Manoharpur Coal Mine Project

Copy to:

1. The Joint Director(s), Regional Office, Eastern Region, Ministry of Environment, Forest & Climate Change, A-3, Chandrasekharpur, Bhubaneswar-751023 (soft copy of compliance report sent through email in reference to MoEF&CC-ERO letter dt. 11.05.2020; File No. 106-12/EPE)
2. The Scientist ('E' & Regional Directorate), Central Pollution Control Board, South end Conclave, Block 502, 5th & 6th Floors, 1582 Razidanga Main Road, Kolkata-700107.
3. The Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilkanthnagar, Unit VIII, Bhubaneswar 751012.

Regd. Office: Zone-A, Ground Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023

Phone: +91 674 2300654/664, Fax: +91 674 2300657

Site Office: At/Po.: Hemgir, Dist.-Sundargarh-770013, Odisha

HALF YEARLY COMPLIANCE REPORT

For

Environmental Conditions

April 2021 - September 2021

OCPL MINES COLONY - MANOHARPUR TOWNSHIP PROJECT



Odisha Coal & Power Limited,
Zone-A, Ground Floor,
Fortune Tower, Bhubaneswar-751023, Odisha
Web: www.ocpl.org.in

POST ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE REPORT

OCPL Mines Colony – Manoharpur Township Project

EC Letter Ref. No. 7669/SEIAA (SEIAA File No: 111991/05-MIS/07-2019) Dated 13.12.2019

Sr. No.	EC Letter Condition	Compliance
PART A - SPECIFIC CONDITIONS		
1.	Consent to Establish / Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Consent to Establish (CTE) has been obtained. Now, the development of Manoharpur Township is in advance stages and will be occupied by the employee of OCPL. Hence, the application for Consent to Operate (CTO) has been filed online on 17.11.2021 to State Pollution Control Board, Odisha as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. The copy of CTO application generated online in this regard is attached as Annexure 1 for your kind consideration.
2.	The approval of the competent authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	The said colony is being constructed as per local building bye laws or applicable norms.
3.	The project proponent shall obtain all necessary clearance / permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Agreed. An approval in this regards has been obtained from Block Development Officer (BDO), Hemgir.
4.	The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM No. 19-2/2013-IA.III dated 9 th June, 2015 are followed to ensure sustainable environmental management.	Noted and is being followed the applicable guidelines.
5.	The proponent shall ensure natural environmental amenities of the area	Agreed.

	preserved in the township. Elephant proof barrier shall be provided.	OCPL would like to submit that the Site Specific Wildlife Conservation Plan for Manoharpur Coal Mine Project (MCMP) has been approved by Principal Chief Conservator of Forests (PCCF-WL) & Chief Wildlife Warden (CWW), Odisha which is under implementation.
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Topography and Natural Drainage

6.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other Sustainable Urban Drainage System (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Building shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Due care is being taken during the cutting and filling operations to minimize the flow of natural water of water. Also, scientifically designed storm water drainage network will be provided so that natural drainage of the project area will not get obstruct. The generated storm water will be recharged to increase the ground water table through the provision of rain water harvesting pits.
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Water Requirement, Conservation, Rain Water Harvesting, and Ground Water Recharge

7.	As proposed, fresh water requirement from Hirakud Reservoir shall not exceed 129 KLD.	Noted.
8.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	Approval for withdrawal of water from Hirakud Reservoir has been obtained from Dept. of Water Resources, Govt. of Odisha. No ground water will be utilized for the said project.
9.	The quantity of fresh water usage, water recycling and rain water harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA, Odisha along with six monthly monitoring reports.	Currently, the proposed project is under construction stage. Hence, this condition will be complied with during the operation phase of the said project.

10.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	Dual plumbing pipeline for domestic water and waste water will be provided within the project premises. Also, the treated recycled waste water to be obtained from STP will be utilized in landscaping / irrigation.
11.	Use of water saving devices / fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.	Water conservation measures to the possible extent will be adopted to save the water.
12.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	Kindly refer point no. 10 as mentioned above.
13.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted & is being complied.
14.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits of adequate nos. shall be provided.	Rain water harvesting will be implemented in confirmation to local building bye laws.
15.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. The proponent shall also obtain permission from Water Resources Department, Govt. of Odisha for drawal of water.	Not applicable as no ground water dewatering is proposed in the said project. Proponent has obtained the permission for withdrawal of surface water from Hirakud Reservoir from Department of Water Resource (DoWR), Govt. of Odisha.
16.	A complete plan for rainwater harvesting at the proposed site shall be drawn up and implemented before operation phase in letter and spirit to recharge ground water in the area. The complete rainwater harvesting plan after implementation shall be submitted to SEIAA.	Kindly refer the Point no. 14 as mentioned above.

Solid Waste Management		
17.	The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules 2016, and the Plastic Waste (Management) Rules 2016 shall be followed.	Will be complied with as per applicable norms.
18.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted.
19.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.	Noted and will be complied with during the operation phase of the said project.
20.	The proponent shall mandatorily install Organic Waste Converter for solid waste management within the premises before start of operation phase.	Agreed.
21.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Agreed.
22.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.	Noted.
Sewage Treatment Plant & Maintenance		
23.	Sewage shall be treated in 2 nos. of STP of capacities 50 KLD and 70 KLD respectively.	Agreed and will be complied with.

	The treated effluent from STP shall be recycled/re-used for flushing, gardening and DG cooling. STP's of two nos. of 50 KLD and 70 KLD capacity shall be installed before start of the operation phase of the building.	2 nos. of STP having capacity of 50 KLD and 70 KLD each are being under construction stage and will be commissioned after the occupancy of project.
24.	Approval from the competent authority shall be obtained for discharging treated effluent / untreated effluents into the public sewer / disposal / drainage systems along with the final disposal point.	Not applicable as the project proponent will not discharge any treated/untreated effluent outside the project premises.
25.	No sewage or untreated effluent water would be discharged through storm water drains.	Agreed and Noted.
26.	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Odisha before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted and report shall be submitted to SPCB. Necessary measures should be made to mitigate the odour problem from STP.	Agreed and will be complied with during the operation phase of the said project.
27.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) manual on Sewerage and Sewage Treatment systems, 2013.	Sludge to be generated from onsite sewage treatment plant will not be hazardous in nature and can be used as organic manure in the landscaping / horticulture development within the project premises.

Energy Conservation

28.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the states which have notified their own ECBC, shall comply with the state ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be	Trade off approach will be used to comply this condition. LED will be provided for lighting of outdoor and common areas.
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	incorporated in the building design. Wall, window and roof u-values shall be as per ECBC specifications.	
29.	Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building.	Noted and will comply with during operation phase.
30.	Solar, wind or other renewable energy shall be mandatorily installed to meet electricity generation equivalent to 5% of the demand load or as per the state level / local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.	Solar panel of 25 Kwp will be provided within the site to meet the electricity generation equivalent to 5% of total power demand of the said project.
31.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws requirement, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters as far as possible.	Kindly refer the Point no. 30 as mentioned above.
32.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include fly ash bricks, hollow bricks, AACs, Fly ash lime gypsum blocks, compressed earth blocks and other environment friendly materials. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August 2003 and 25 th January 2016. Ready mixed concrete must be used in building construction.	Environment friendly material i.e. fly ash bricks, RMC etc. is being used as building material in the construction of the said project.
33.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.	Noted and will comply with.

Air Quality and Noise Quality Monitoring & Preservation

34.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke, & other air pollution prevention measures shall be provided for the building as well as the site. There measures shall include screens for the building under construction, continuous dust / wind breaking walls around the site (at least 3 meter height). Plastic / tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Boundary wall is being constructed around the township to prevent the dust, smoke & other air pollutants. Building construction material i.e. sand, cement etc. are being stored at their appropriate place and covered properly with tarpaulin sheet, green nets, jute bags etc. to control the dust emissions. Water sprinkling is being carried out to minimize the dust generation on unpaved surfaces i.e. roads etc.
35.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	The construction and demolition waste i.e. debris etc. which is very less in quantity will be used in backfilling of excavated areas or road development within the project premises. The workers engaged at construction site have been provided proper PPE's to ensure their good health.
36.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding mandatory implementation of dust mitigation measures for construction and demolition activities for projects requiring environmental clearance shall be complied with.	Kindly refer the Point no. 34 as mentioned above.
37.	The gaseous emissions from DG sets shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the	3 nos. of acoustically treated DG sets (1 x 200 kVA and 2 x 63 kVA each) with adequate stack height as per CPCB/SPCB norms will be provided to disperse the emissions.

	noise pollution. Low sulphur diesel shall be used. The location of DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	
38.	For indoor air quality the ventilation provisions as per National Building Code of India shall be provided.	Operable windows is being provided in compliance to applicable norms of NBC / local building bye laws.
39.	Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	Will be complied as per the EMP.

Green Cover

40.	Green-belt & avenue plantation of trees over the area of 31,529 m ² (32% of total plot area) shall be done using native tree species / shrubs improving greenery & keeping in view aesthetics considerations in the whole complex. No tree cutting / transplantation of existing trees has been proposed in the instant project. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and / or invasive species should not be used for landscaping. The plantation of trees shall be completed in the construction phase.	Will be complied with as per the plan approved by BDO, Hemgir.
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Top Soil Preservation and Reuse

41.	Top soil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Will comply as per applicable norms.
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Transport

42.	<p>A comprehensive mobility plan, as per Ministry of Urban Development best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private networks. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria:</p> <ul style="list-style-type: none"> • Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. • Traffic calming measures • Proper design of entry and exit points • Parking norms as per local regulation 	Will be complied with as per the applicable norms / local building bye laws.
43.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project.	Effective and scientifically designed traffic management plan will be followed within the proposed project premises.
44.	This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. / competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	<p>The proposed development will be carried out in confirmation to local building bye laws and as per the plan approved by BDO.</p> <p>The development in surrounding area which may be developed by other agencies will follow their own responsibility to get the requisite permission from competent authorities before doing any development activity.</p>
45.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	PUC (Pollution under check) certified vehicles are being used at site during non-peak hours to bring the construction material at site.
	Environment Management Plan	
46.	An Environmental Management Plan (EMP) shall be prepared and implemented to ensure	The EMP submitted to SEIAA, Odisha will be followed to implement the same at site.

	<p>compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy Efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.</p>	<p>Also, an Environment Monitoring Cell (EMC) set up for Manoharpur Coal Mine Project will ensure the effective implementation and monitoring of EMP at site.</p>
47.	<p>The project proponent shall implement environmental monitoring programme as per details submitted in EMP and submit monitoring reports to RO, MoEF&CC and SPCB on six monthly basis.</p>	<p>Will adhere to.</p>
48.	<p>All the conditions, liabilities and legal provisions contained in the Environmental Clearance shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.</p>	<p>Agreed.</p>
Others		
49.	<p>Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<p>Mostly local labor is being and will be hired for the development of proposed project. However, skilled/semi-skilled labor which can be hired from outside by the contractor will provide the basic amenities i.e. temporary structure, toilet facility, drinking water facility etc, if required. The temporary structures will be removed after completion of the said project.</p>
50.	<p>A first aid room shall be provided in the project both during construction and operation of the project.</p>	<p>First aid box facility has been provided at site.</p>

51.	The company shall draw up and implement Corporate Social Responsibility plan as per the Company's Act 2013.	CSR / peripheral development is being carried out w.r.t. Manoharpur Coal Mine Project as the said project is being constructed to facilitate the residential housing facility for the employee of OCPL.
52.	As per the MoEF&CC, Govt. of India Office Memorandum F.No.22-65/2017-IA.III dated 1 st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per para 6(II) of the said O.M. appropriate funds shall be earmarked for the activities such as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report and to the District Collector. It should be posted on the website of the project proponent.	Will comply with as per applicable norms.
Part B - GENERAL CONDITIONS:		
1.	The project proponent shall comply with all the conditions stipulated in the building approval letter.	Agreed.
2.	The applicant (Project Proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by them in Form-1, Form-1A, and Environment Management Plan (EMP) in	EMP plan submitted to SEIAA, Odisha will be followed to prevent, control & mitigate the air pollution, water pollution, noise pollution etc.

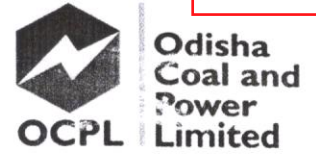
	compliance with the prescribed statutory norms and standards.	
3.	A copy of the Environmental Clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office / Tehsildar's office for 30 days.	Agreed.
4.	The project proponent has earmarked Rs 40.6 lakhs as capital cost & Rs. 12.2 lakhs as recurring cost towards environmental protection measures for the project. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the SEIAA, Odisha and MoEF&CC, Govt. of India and its concerned Regional Office, SPCB.	Will comply with. OCPL would like to submit that an approx. 61.35 lakhs rupees will be spent on installation & commissioning of 2 nos. STP having capacity of 50 KLD and 70 KLD towards the environmental protection measures to treat the generated waste water and reuse of treated water in horticulture / landscaping. Apart from the above, green belt comprises of native plant species will be developed around the periphery of township which will act as a barrier and control dust pollution. An approx. 2.04 crores will be spent for the development of green belt and landscaping inside the township.
5.	The applicant will submit half-yearly compliance report on post-environmental monitoring in respect of the stipulated terms and conditions in the Environmental Clearance to the State Environmental Impact Assessment Authority (SEIAA) Odisha, RO MoEF&CC BSBR, SPCB, CPCB on 1 st June and 1 st December of each calendar year and upload the compliance report in the website of the Ministry.	Is being complied.
6.	Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.	Agreed.

7.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, Odisha.	Noted.
8.	The SEIAA Odisha reserve the right to add additional safeguards measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed.
9.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, Civil Aviation Department, the Forest Conservation Act 1980 and the Wildlife (Protection) Act 1972 etc. shall be obtained as applicable by project proponents from the respective competent authorities.	Necessary permission will be obtained, if applicable.
10.	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) 1981, the Environment (Protection) Act 1986, the Public Liability (insurance) Act 1991 and the EIA Notification 2006.	Agreed.
11.	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the SEIAA, Odisha. The advertisement shall be made within seven days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the Regional Office of MoEF&CC, Bhubaneswar.	Advertisement was published in two widely circulated newspapers in the region as per the following: (i) The Samaj (Odia Language) (ii) Business Standards, Bhubaneswar (English Language) The copy of advertisement published in above newspapers has already been submitted to the Regional Office of MoEF&CC, Bhubaneswar vide letter no. OCPL/106 dated 04.02.2020.
12.	A copy of the environmental clearance letter shall be sent by the proponent to concern	The copy of Environmental Clearance (EC) granted for the said project has already been

	Panchayat, ZilaParishad / Municipal Corporation, Urban local body and local NGO, if any, from whom suggestion/representation, if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	put on website of the company which can be seen at the following link: http://www.ocpl.org.in/Environment.asp
13.	The proponent shall submit/upload six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF&CC, Govt. of India, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed and is being complied.
14.	The environmental statement for each financial year ending 31 st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC, Govt. of India by E-mail.	OCPL would like state that Consent for Operation (CTO) under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 or both for the said project will be obtained after completion of construction and accordingly the aforesaid condition will be complied. An intimation letter in this regard has already been submitted to your good office vide letter no. OCPL/750 dated 28.09.2020.
15.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.

Letter No. OCPL/ 712

Date: 19.11.2021



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

To,

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

Sub: Application for Grant of Consent to Operate (CTO) for the "OCPL Mines Colony – Manoharpur Township Project (24.28 acres or 98256.92 sqm), located at Village Sarbahal, Tehsil Hemgir, District Sundargarh (Odisha) developed by Odisha Coal & Power Limited (OCPL)

Ref: Online application filed on 17.11.2021 (copy enclosed)

Sir,

This is in reference to the subject as mentioned above, we would like to inform that an online application has been filed for the Grant of Consent to Operate (CTO) for 2 years (i.e. FY 2022-23 and 2023-24) for the "OCPL Mines Colony – Manoharpur Township Project (24.28 acres or 98256.92 sqm), located at Village Sarbahal, Tehsil Hemgir, District Sundargarh (Odisha) developed by Odisha Coal & Power Limited. The hard copy of same along with relevant documents uploaded on web portal is enclosed herewith as **Annexure I** for your kind consideration.

Also, kindly note that we have submitted the requisite fee of Rs. 3,75,840/- for 2 financial years as mentioned above through the challan generated from SPCB website. The copy of challan showing the deposited amount in this regard is enclosed as **Annexure II** for your ready reference.

Hence, we request your good office to kindly grant us the CTO for the subjected project at the earliest.

Yours Faithfully

Agent
Manoharpur Coal Mine Project
Odisha Coal and Power Limited

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.

**FORM 1****(To be submitted in triplicate)****APPLICATION FOR CONSENT FOR EMISSION / CONTINUATION OF EMISSION UNDER****SECTION 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT 1981****From:**

Odisha Coal & Power Limited, Sarbahal

City: Sarbahal

Tehsil: Hemgir

District: Sundargarh

To

**The Member Secretary,
State Pollution Control Board, ODISHA
Bhubaneswar**

Sir,

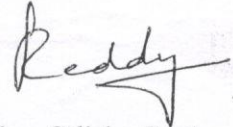
I/We hereby apply for CONSENT under section 21 of the air (Prevention & Control of

Pollution) Act, 1981 14 of 1981 to make emission from Industrial Plant owned by (1)
Odisha Coal & Power Limited for a period from 01/04/2022 To 31/03/2024

2. The annexure, appendices, other particulars and plans are attached herewith in triplicate.
3. I/We further declare that the information furnished in the Annexure/Appendices and plan is correct to the best of my / our knowledge.
4. I/We here submit that in case of a change either of the point or the quantity of emission or of its be made.)
5. I/We hereby agree to submit to the Board, application for renewal of CONSENT three months in advance of the date of expiry of the consented period for emission, of to be continued thereafter.
6. I/we undertake to furnish any other information within one month of its being called for by the Board.

Yours Faithfully

Signature:



Name of the Occupier: Odisha Coal and Power Limited

Name of the Applicant: Lella Ramachandra Reddy

Address of the Applicant: Odisha Coal and Power Limited, Zone-A, Ground Floor, Fortune Towers

Accompaniments:-

1. environmental statement (Attached)
2. cto CC COMPLIANCE (Attached)
3. cto DPR (Attached)
4. cto site plan (Attached)
5. cto pcm (Attached)
6. cto drainage (Attached)
7. cto toposheet (Attached)
8. CTO Env Clerance (Attached)
9. CTO Water Balance (Attached)
10. project report (Attached)
11. ENV STATEMENT (Attached)

Agent
Manoharpur Coal Mine Project
Odisha Coal And Power Ltd.

Online Pyament Details :-

Bank Name	Branch Name	Bank Draft No.	Date	Amount(in rupees)
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ANNEXURE:

Note: Any applicant knowingly giving incorrect information pertaining thereto shall be liable to any action under the provisions of the Act. While filling this Annexure the applicant shall for such of the items not pertaining to his activity shall state 'not applicable' against the relevant one and not leave blank.

1. **Full name of the applicant** : Odisha Coal and Power Limited
- (a) With Address** : Odisha Coal and Power Limited, Zone-A,
Ground Floor, Fortune Towers
- (Tel. No.)** : 0674-2300654
- (b) Is the firm registered?** : YES
- (c) If yes, Give number & date of registration and the authority with whom registered** : 126,17/11/2021,
- (d) Full address of the registered office** : Sarbahal
District: Sundargarh
Tehsil: Hemgir
Telephone: 0674-2300654
- (e) Names, designation & full address of person like, Partners/Managing Director/Director/Manager** : Lella Ramachandra Reddy
Agent (Manoharpur Coal Mine Project)
Authorized Signatory

Odisha Coal and Power Limited, Zone-A,
Ground Floor, Fortune Towers,
Chandrasekharpur, Bhubaneswar
751023
+91 674 2300654/664
+91 674 2300657
mines@ocpl.org.in
- (f) Under which category does the industry fall Major/Medium/Small Scale** : Large
- State Government :
Prohibited Areas :
Central Government :
Air port Authority :
2. **Full name of the Land/Premises/Institute/Factory/Industry/Local body with address** : Odisha Coal & Power Limited,
Sarbahal
Hemgir
Sundargarh
- Tel. No.:** : 0674-2300654
e-mail : mines@ocpl.org.in

3. Give revenue/City Survey No. of the Land/Premises for which the application is made : District:Sundargarh
Town: SarbahalTehsil:Hemgir
City Survey no./Revenue Survey no.:1034,1214,921,1047(P)
4. State month and year in which the plant was actual put into commissions or is proposed to be put into Commission : january,2022
5. State the civil/Military Defences/Industrial Estate etc. under whose Administration jurisdiction the occupiers industrial plant is situated : Civil
- District : Sundargarh
- Corporation :
- Municipality :
- Village Panchayat/Cantonment/Defence department :
-
- Post Trust :
- State Government :
- Prohibited Area :
- Central Government :
- Air Port Authority :
- 6 (a) State whether plant site has been declare as prohibited area : NO
- (b) If yes, state the name of the Authority and furnish a certified copy of the order under which the area has been declared as prohibited area : -
- State working season per year of the plant : (from: Apr to: Mar)
- Continious/Batchwise : Every Year
8. (a) No. of person attending the factory per day : 1364
- (b) No. of persons residing in the premises : 604
9. Indicate the present use of the land in the vicinity (5 km radius) of the

Name of Surrounding	Distance(in meters)	Description
Villages	17700.0	Laikera
Industries	7390.0	NTPC Darlipali
Industries	3800.0	Manoharpur Coal Mine
Nalla	3800.0	Garia Nalla
Reserve Forest	1100.0	Kalamegha RF
Reserve Forest	1200.0	Balijori RF
School	100.0	Proposed School near township
Hospital	100.0	Proposed Dispensary near township

10. **Climatological and Metereological details(if available)**

- (a) Indicate conditions at the site (e.g. arid, semi arid etc.) : Semi Arid
- (b) Rainfull,yearlly average : 1053
- (c) Temperature, seasonal ranges : 8--44.7
- (d) Information on speed and direction on wind : 1.75 m/sec to 5.74 m/sec
- (e) Humity, solar radiation : Humidity - 12% to 90%

11. **Give list of all materials used in the process in metric tonne/day**

List of Raw Matèrials & Quantity	Principal use
Coarse sand	14746.0 CubicMeter
Fine Sand	2997.0 CubicMeter
Aggregate	22005.0 CubicMeter
Cement	17590.0 Metric Tonnes/Year
Steel	1757.0 Metric Tonnes/Year
Fly Ash Bricks	6425511.0 Numbers/Year

12. **Fuel Consumption in t/day**

Fuel Name	Daily Consumption(T/day)	Unit	Calorific value	Ash contents	Sulphur contents	Others
HSD	0.27	Kilo Liters/Hour				
HSD	0.008	Kilo Liters/Hour				

13. Atmospheric Emission for each stack

Total no. of stacks:	Material for construction of Stack:	Stack Attached to:	Height above ground level(in metres):	Height above roof(in metres):	Stack Top:	Inner dimensions (in meters):	Gas quantity - m ³ /hr:	Flue gas temperature 'C:	Exit velocity of gas/sec:
1	MS	Proposed stack to DG set of 200 kVA	3.5	1	Round		0.15	190	8
2	MS	Proposed stack to each DG set of 63 kVA (2 nos.)	1.5	1	Round		0.05	178	8

(a) Flue gas emission details

Stack No.	Type of fuel	Quantity of fuel	Type of firing	So2	CO	HC	Particulates	Other Specify
0	HSD	0.27						
1	HSD	0.008						

(b) Fugitive emission details

Point of fugitive emission	Capacity	Type of control measures	Number

14. Give details of fuel gas sampling arrangements : Port holes with sampling arrangement
15. Give the details of laboratory facilities available for analysis of emission : OSPCB & MoEFCC accredited agency will be hired for emission analysis
16. Is there sufficient space available for installing air pollution control equipment : Yes

17. Details of Air Pollution control system. Give detailed specification (Collectors, precipitators, scrubbers etc.)

Air pollution control system name	Status	Detail specification
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18. State the total quantity of air handled by ventilation equipment. Specify size & No. of equipments installed or to be installed : //To Be Install

19. Give the following details

(a) Total investment in the factory and the year of investment : 61.35 , 2022

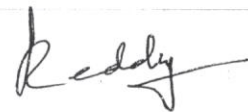
(b) The annual maintenance cost of Pollution Control plant if any : 4

(c) Further expenditure and the year of expenditure : , 2023

(d) Details of further expenditure :

20. Other relevant information if any

Signature :



(Name of the Occupier): Odisha Coal and Power Limited

(Name of the Applicant): Lella Ramachandra Reddy

(Designation): Mine Agent

(Address of the applicant): Odisha Coal and Power Limited, Zone-A, Ground Floor, Fortune Towers

Agent
Manoharpur Coal Mine Project
Odisha Coal And Power Ltd.



STATE POLLUTION CONTROL BOARD, ODISHA

**THE WATER(PREVENTION AND CONTROL OF POLLUTION
ACT, 1974(ACT, 6 OF 1974)**

FORM IV

Application for consent for beginning to make new discharge/continuing discharge of sewage or trade effluent under Section 25 or 26 of the Act.

(To be submitted in triplicate)

(See Rule 21)

From:

Odisha Coal & Power Limited, Sarbahal

City: Sarbahal

Tehsil: Hemgir

District: Sundargarh

To

The Chairman
State Pollution Control Board, ODISHA,
Bhubaneswar

Sir,

1. I/We apply to the State Pollution Board, ODISHA for consent under 'Section 25/Section 26' of the Water(Prevention & Control of Pollution)Act, 1974(Act 6 of 1974)to bring into use any new or altered outlet for the discharge of *Sewage/trade effluent, to being to make new discharge of *Sewage/trade effluent or continue to make discharge of *Sewage/trade effluent from land/ premises owned by (1) **Odisha Coal & Power Limited** for a period from 01/04/2022 TO 31/03/2024 in accordance with the facts indicated in the Annexure, Appendices plan etc.

I/We are discharging or propose to discharge.

- (a) Sewage/Sullage Via drain/outfall sewers/treatment works
- (b) Trade effluent Via drains/outfall sewers/treatment works
- (c) Solid wastes into (3)

- (i) Stream/River

OR

- (ii) On land for irrigation, bearing Survey No.

adjoining/at a distance of _____ from stream/River

OR

(iii) Lake, Pond adjoining/at distance of _____ form stream/River

OR

(iv) Directly on land for open percolation into subterranean state of Survey No. _____
adjoining/at
distance of _____ from stream/River.

OR

(v) Tidal waters/estuarine water known as _____

OR

(vi) Sea along/off the shore known as _____

2. The annexure, appendices other particulars and plans in triplicate are attached herewith.

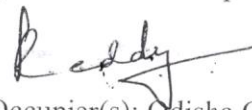
3. I/We further declare that the statements made and informations furnished in the Annexures, appendices, and plans are true to the best of my/our knowledge. I/We understand that it is an offence to make a false statement in apply for any proposed consent,(See Section 42(1) (f) of the Act.

4. I/We hereby submit that in case of change of the point or the quantity of discharge or its quality, a fresh application for CONSENT shall be made and until such CONSENT is granted no change shall be made.

5. I/We hereby agree to submit to be Board an application for renewal of CONSENT three months in advance of the date of expiry of the period consented to for outlet discharge, if to be continued thereafter.

6. I/We undertake to furnish any other information within one month of its being called for by the Board. We further understand that only the dates on which all the relevent particulars in order to make the application complete in all respects, are furnished by us, will be reckoned as the date of making the application irrespective of the date of submission of the original application, which is incomplete.

Signature:



Name(s) of the Occupier(s): Odisha Coal and Power Limited

Name(s) of the Applicant(s): Lella Ramachandra Reddy

Address of Applicant(s) with seal: Odisha Coal and Power Limited, Zone-A, Ground Floor, Fortune Towers

Accompaniments:-

Agent
Manoharpur Coal Mine Project
Odisha Coal And Power Ltd.

1. environmental statement (Attached)
2. cto CC COMPLIANCE (Attached)
3. cto DPR (Attached)
4. cto site plan (Attached)
5. cto pcm (Attached)
6. cto drainage (Attached)
7. cto toposheet (Attached)
8. CTO Env Clerance (Attached)
9. CTO Water Balance (Attached)
10. project report (Attached)
11. ENV STATEMENT (Attached)

*Note: Strike out entries not relevent
(33/2375/8)

ANNEXURE TO FORM-IV

Existing/New/Altered

Note: Any applicant knowingly giving incorrect information or suppressing any information pertaining there to shall be liable to be furnished under the Act, while filling the Annexure, the applicant not concerned with any of the items shall be liable to be furnished under the Act, while filling this Annexure, the Applicant not concerned with any of the items shall state 'Not concerned' against the relevant one.

1. Full name of Applicant with address(in block letters) : Odisha Coal and Power Limited
Address: Odisha Coal and Power Limited, Zone-A,
Ground Floor, Fortune Towers
Telephone: 0674-2300654
2. Full name of the land/premises/Area/Institute/Factory/Industry/ Treatment plant with address. : Sarbahal
City: Sarbahal
Tehsil: Hemgir
District: Sundargarh
Industry Telephone: 0674-2300654
3. Revenue/Survey number of land premises for which the application is made stating District Subdivision and Village. : District: Sundargarh
Town: Sarbahal
Tehsil: Hemgir
City Survey no./Revenue Survey no.: 1034, 1214, 921, 1047(P)
4. State the month and the year in which the land premises/Area/Institute/Factory/Industry/Treatment plant was actually put into commission or is proposed to be put into Commission. : January, 2022
5. State the Civil/Minister/Defence/Industrial etc. under whose administrative jurisdiction the applicant's land/Premises is situated. : Civil
District: Sundargarh
Corporation:
Municipality:
Village Panchayat/Cantonment/Defence department:
Post Trust:
State Government:
Prohibited Area:
6. (a). State whether the land/premises/factory/industry has been declared as prohibited area : NO

(b) If yes, state the name of the authority and furnish a certified copy of the order under which the area has been declared as the prohibited area.

7. Is the industry/factory for which application is made closed on any days of the week. if so give the days on which it is closed.

8. State working season in a year for the industry/Factory : (from: Apr to: Mar)

9. (a) No. of workers attending the factory : 1364

(b) No. workers residing in the premises : 604

10. (For local Bodies only)
(a) Present Population :
(b) Population covered under regular sewerage facilities. :
(c) Population covered by conservancy latrins. :
(d) Population having septic tank/pit privy facilities. :

11. (a) List the raw materials used such as metals, alloys, oils fuel etc. used per month in Metric tonnes.

Material & Alloys	Material Details	Weight
HSD	0.344kl/day	

(b) List of the products and by-products manufactured and the production per month.

Name of Products	Quantity	Unit
OCPL Mines Colony (Manoharpur Township) having total site area	98256.922	Sq. M
Total Built up area of colony having 116 residential units along with amenities i.e. School, guest house, shopping complex etc.	37622.0	Sq. M

(c) Brief description of production process : (As Attached)

12. Water source and consumption details:

a)

Source Type	Source Name	Quantity(KL/D)
Other	Hirakud Reservoir (Department of Water Resources, Govt. Of Odisha)	224.0

b)

Purpose	Quantity (KL/D)
Domestic	136.0

13. State whether storm water drains are kept separate from Industrial/Domestic effluent drains.

14. (a) If domestic effluent allowed to get mixed in industrial effluent : NO

(c) State whether any treatment is given to the domestic waste before allowing to mix with an industrial effluent. : YES

15. Is there any provision or proposal for disposal of

	Already Made	Proposed to be made
(a) Domestic effluent in public underground sewer		
(b) Industrial effluent in public underground sewer		
(c) Give the name of public authority owing the sewer : --		

16. Location of Discharge : Identify by the Authorized Vender,

17. Effluent Details:

Type of Effluent	Maximum generation of Effluent (KL/d)	Mode of disposal	Effluent to be Recycle(KL/D)	Effluent to be Disposal/Discharge Quantity(KL/D)
Domestic	109.0	Treated water will be reused for plantation / horticulture / landscaping purpose	88.0	0.0

18. Is there any provision for equalizing or holding lagoons or tanks to store the effluents during unfavourable streams or tidal conditions

Already Made

Proposed to be made

- (i) Domestic
- (ii) Industrial
- (iii) Combined effluent
19. Is sufficient land available/can be made available in case land disposal of effluent is proposed : NO
- Area available : --
20. (a) Is the effluent toxic :
- (b) State if the industrial effluent is
- (i) having unpleasant smell :
- (ii) irritating :
- (iii) corrosive :
- (iv) with colour :
- (c) Is there any sudden change of temperature of effluent exceeding 10 degree C at any time :
21. a) Whether an environment management cell is functional : YES
- b) Whether an environment lab has been established : NO

C) REPORT OF SOLID WASTE DETAILS :

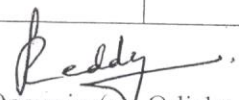
Source	Type of Waste	Other waste type detail	Place of disposal	Distance of discharge point from factor(in meters)
Residential colony,if any	Any Other	Municipal Solid Waste	Identify by the Authorized Vender	

22. Discharge details:

REPORT OF ANALYSIS OF EFFLUENT/SEWAGE DETAILS

Reference number outlet in the Map	Effluent before treatment			Effluent after treatment		
	Before Max	Before Min	Before Avg	After Max	After Min	After Avg
Quality Parameter						

Signature(s) :



Name(s) of the Occupier(s) Odisha Coal and Power Limited

Name(s) of the Applicant(s): Lella Ramachandra Reddy

Agent
Manoharpur Coal Mine Project
Odisha Coal And Power Ltd.

Address of the applicant(s) with Seal:
Odisha Coal and Power Limited, Zone-A,
Ground Floor, Fortune Towers

Note: 1. Furnish a copy of the analysis report of representative samples carried out by a competent laboratory.

2. Excepting where such methods of determination are not available in ISI, the standard methods as laid down in the book 'Standard method for the examination of Water and Waste Water' published by APHA will be followed for determination of the above mentioned parameters.

3. If there is absolutely no possibility constituent being present in the effluent, the applicant must state this fact in the analysis report against the particular characteristic and this need not be analysed for. but the applicant should take full responsibility for this statement and he will be proceeded against according to the provisions of the Act if his statement is found to be incorrect.