

**Half Yearly Compliance Report****2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>	Manoharpur Opencast Coal Mine Project		
<b>Name of Entity / Corporate Office</b>	ODISHA COAL AND POWER LIMITED		
<b>Village(s)</b>	KATHAFALI		
<b>District</b>	SUNDARGARH		
<b>Proposal No.</b>	IA/OR/CMIN/451362/2023	<b>Category</b>	Coal Mining
<b>Plot / Survey / Khasra No.</b>	0	<b>Sub-District</b>	Hemgir
<b>State</b>	ODISHA	<b>Entity's PAN</b>	*****0959K
<b>MoEF File No.</b>	J-11015/139/2008.IA.II(M)	<b>Entity name as per PAN</b>	ODISHA COAL AND POWER LIMITED

**Compliance Reporting Details****Reporting Year** 2024**Remarks (if any)**

In reference to the condition no. 10.5 (Point no. 10; Miscellaneous) stipulated in EC granted by MoEFCC vide letter dt. 05.02.2024 for development Manoharpur and Dipside Manoharpur Coal Mine Expansion Project (8 MTPA to 16 MTPA) with increase in project area from 977.875 to 1781.591 ha of Odisha Coal and Power Limited in IB valley, Dist. Sundargarh, Odisha, please find enclosed herewith Half Yearly Compliance Report for the period of April 2024 to September 2024. The above is for your kind perusal and further needful action at your end.

**Reporting Period** 01 Dec(01 Apr - 30 Sep)**Details of Production and Project Area**

<b>Name of Entity / Corporate Office</b>	ODISHA COAL AND POWER LIMITED	
	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	549.597	418.463

Revenue Land	680.138	632.747
Forest	618.644	196.045
Others	0	0
Total	1848.379	1247.255

## Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Coal	Million Tons per Annum (MTPA)	31/03/2025	16	8.509	13

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	PP shall transport the coal by trucks of fleet size 35-40 tons (Payload) and no village road or sensitive location shall be used for transportation of coal.
<p><b>PPs Submission:</b> Being Complied Coal is being transported through the trucks of fleet size of 35 tons and also no village road or sensitive location is being used for the same.</p>		Date: 23/11/2024
2	AIR QUALITY MONITORING AND PRESERVATION	PP shall deploy atleast 20% of overall fleet of dumpers/trucks as electrical or CNG/LNG based dumpers/trucks for transportation of coal/OB etc.
<p><b>PPs Submission:</b> Agreed to Comply Electric wheel loaders are under trail phase of operation at the mine. The copy of induction letter in this regard is attached herewith. Further, necessary steps will be taken as and when commercial CNG/LNG based dumpers/trucks for transportation of coal/OB etc. are available in the market.</p>		Date: 23/11/2024
3	Statutory compliance	PP shall obtain CTE/CTO from State Pollution Control Board for 16 MTPA of production capacity.
<p><b>PPs Submission:</b> Complied The Consent to Establish (CTE) for 16MTPA of coal production capacity has been obtained from SPCB Odisha vide letter dt. 29.02.2024. Further, Consent to Operate (CTO) for 13 MT coal production during FY 2024-25 has also been obtained from SPCB, Odisha vide letter dt. 12.03.2024. The copy of CTE and CTO has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		Date: 23/11/2024
4	AIR QUALITY MONITORING AND PRESERVATION	PP to implement the CHP, RLS and Merry Go Round (MGR) for 16 MTPA capacity before December, 2026 in time bound manner. Further, feasibility of implementing inpit conveyor system till CHP shall be explored for coal avoiding haul road movement and internal road transportation.
<p><b>PPs Submission:</b> Partially Complied CHP and RLS for 16 MT capacity have already designed and the same is in operational stage only</p>		Date: 23/11/2024

for 8 MT capacity due to limitation of transportation capacity of MGR (single line track). Further, pre-feasibility study report of the second line track of MGR has been carried out by engaging RITES and the process for laying of second line MGR has been started. Further, the proposal for connecting the MGR line with Indian Railway (IR) has also been started for evacuation of coal in an environment friendly manner.		
5	Statutory compliance	PP shall comply the partial/non-complied EC conditions highlighted by Ministry's Regional Office and submit its report within six months to IRO.
<b>PPs Submission:</b> Being Complied The status of partially complied EC condition as observed by Ministry Regional Office (IRO) has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).		Date: 23/11/2024
6	LAND RECLAMATION	PP shall prepare land for grazing purpose and construction of additional water body of same area as in land use plan during pre-mining activity.
<b>PPs Submission:</b> Agreed to Comply Will be complied as per applicable norms.		Date: 23/11/2024
7	MINING PLAN	PP should re-handle the OB dump properly by incorporating the mitigation measures for air pollution with budgetary provision and explore the possibility of M-sand in order to re-utilize the OB dump.
<b>PPs Submission:</b> Complied The re-handling of OB dump is being and will be carried out as per the approved Mine Closure Plan and accordingly mitigation measures such water sprinkling, plantation, grass carpeting etc. are being and will be implemented to control the air pollution and budgetary provisions for the same has already been considered in the EMP cost. Further, to explore the possibility of M-sand in order to re-utilize the OB dump, a technical study has been carried out by NIT Rourkela, wherein it was found that the sandstone available in Manoharpur coal mine does not confirm to the specifications of the construction grade sand stone required for house construction. Hence, the sandstones to be generated during mining cannot be reused for construction purpose. The copy of report issued by NIT, Rourkela in this regard has already been submitted to your good office vide our letter no. OCPL/451 dt. 14.05.2022 (kindly refer Annexure 1).		Date: 23/11/2024
8	WATER QUALITY MONITORING AND PRESERVATION	Garia and Lapani stream/nallah shall not be diverted before 15 years. Subsequent changes shall be taken from MoEF&CC for amendment of this condition. All protection measures to protect the streams shall be implemented.
<b>PPs Submission:</b> Agreed to Comply Will be complied as per applicable norms. However, the portion of garia nalla passing through the Manoharpur coal block will be diverted during FY 2025-26 (in 7th year of mine operation). Approval for the same has also been obtained from Dept. of Water Resources (DoWR), Govt. of Odisha vide letter dt. 12.04.2016 and copy of same is attached herewith.		Date: 23/11/2024
9	AIR QUALITY MONITORING AND PRESERVATION	PP to implement EMP in view of the mining area lying very near to the IB valley declared as SPA in concurrence with state action plan.
<b>PPs Submission:</b> Being Complied The proposed project site is located at about 5.2 km away from the severally polluted area (SPA) i.e. IB valley area. Further, the EMP measures as suggested by SPCB for SPA (i.e. IB valley) such as usage of concrete / blacktopped roads, closed conveyor system for transportation of coal, deployment of fog canon and rain guns to control of coal fire due to spontaneous heating, wheel washing facility with instant shower system, automatic fixed water sprinkling system along the coal		Date: 23/11/2024

		transportation road, silo loading facility for dispatch of coal, increase in green cover through plantation etc. have been implemented at site and the same are operational efficiently. The photograph showing the same have already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).	
10	MINING PLAN	PP shall limit the activities of mining in its mine lease area only i.e. with 1781.591 ha. No OB Dumping and infrastructure activity should be proposed and dumped on forest land.	
		<p><b>PPs Submission:</b> Agreed to Comply</p> <p>The mining activities will be carried out within the mine lease area and as per the area approved for diversion of forest for development of Manoharpur and Dipside Manoharpur Coal Block. Forest Clearance (FC) Stage I and Stage II has already been obtained for the diversion of 276.655 ha forest land for development of Manoharpur Coal Mine Block. Further, FC Stage I has also been obtained for diversion of 342.87 ha forest land for development of Dipside Manoharpur Coal Block. The copy of Forest Clearance granted for Manoharpur (Stage I and II) and Dipside Manoharpur Coal Block (Stage I) separately by MoEFCC has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>	Date: 23/11/2024
11	MINING PLAN	PP shall submit the status of progressive mine closure activity w.r.t. to ML area already reclaimed (biologically) and proposed area to be completed within 2-3 years.	
		<p><b>PPs Submission:</b> Being Complied</p> <p>The status of progressive mine closure activity w.r.t. to ML area has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>	Date: 23/11/2024
12	AIR QUALITY MONITORING AND PRESERVATION	PP should share the online data generated from CAAQMS in consultation with state pollution control Board to the CPCB/SPCB.	
		<p><b>PPs Submission:</b> Being Complied</p> <p>The real time data generated through CAAQMS is being shared with the SPCB server through OSPCB RTDAS. Further, the real time data generated from CAAQMS for September month 2024 is attached herewith.</p>	Date: 23/11/2024
13	Statutory compliance	PP should strengthen the Environmental cell with qualification having environment engineer's/science degree and by developing dedicated environment laboratory within the Mine lease area within three months accordingly SPCB shall issue the CTO.	
		<p><b>PPs Submission:</b> Being Complied</p> <p>An Environment Management Cell (EMC) comprises of technical qualified persons have been appointed at site which is taking care of all environmental compliances and related issues thereof. The cell is headed by Head of Company through Head of Mines. The list showing the name of technical qualified persons along with their designation and degree has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>	Date: 23/11/2024
14	MINING PLAN	PP should strengthen the toe wall all along the OB dump alongwith the weep holes by cementing it.	
		<p><b>PPs Submission:</b> Complied</p> <p>The cemented toe wall around the dump has been constructed with weep holes along the stabilized lower bench of OB dump. The photograph showing the same has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>	Date: 23/11/2024
15	Human Health Environment	PP shall implement the environmental mitigation plan for villages coming in the mine lease area till R&R is completed.	



<p><b>PPs Submission: Being Complied</b> The environmental mitigation as suggested in proposed EMP for the villages coming in the mine lease area (i.e. Parmanandpur and Kathafali) is being and will be followed till R and R gets completed.</p>		<p>Date: 23/11/2024</p>
16	Statutory compliance	PP shall obtain No Objection Certificate from Central Ground Water Authority for extraction of ground water.
<p><b>PPs Submission: Complied</b> The No Objection Certificate from Central Ground Water Authority for dewatering of mine water has been obtained vide letter dt. 14.02.2024. The copy of same has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
17	PUBLIC HEARING	PP shall implement the activities-wise budget for Public Hearing (as mentioned on the para no. 7.3.1 of the EIA-EMP report) and Capital cost, recurring cost (as mentioned on the para no. 6.4.1 & para no 10.5 of the EIA-EMP report). The details of annual expenditure incurred shall be part of report to be submitted to IRO, MoEF&CC. PP needs to include the audited figures against the expenditure and activities to be monitored by through dedicated monitoring mechanism. The maintenance of all activities shall be covered through recurring cost of Public Hearing, and continued as a part of CSR budget.
<p><b>PPs Submission: Being Complied</b> The action plan prepared for the implementation of activities identified under public hearing is being implemented through the CSR and welfare measures.</p>		<p>Date: 23/11/2024</p>
18	WATER QUALITY MONITORING AND PRESERVATION	PP shall monitor regularly water levels in open dug wells located in village and by establishing Piezometer to ascertain the impact of mining over ground water table and to plan mitigative measures to recharge the area.
<p><b>PPs Submission: Being Complied</b> Water level monitoring is being carried out in core zone as well as buffer zone. The copy of latest report for August 2024 in this regard is attached herewith. Further, 2 nos. piezometer with telemetry system has also been installed within the core zone to monitor the ground water level and the same is also connected with CGWA server. The photograph showing the same is attached herewith.</p>		<p>Date: 23/11/2024</p>
19	MISCELLANEOUS	PP shall implement Water distribution system in near villages. A proper water pipeline distribution network shall be devised to meet the demands of farmers related to irrigation and recharging of ponds, wherever required. The water treatment plant to meet the requirement with the start of production.
<p><b>PPs Submission: Being Complied</b> Water distribution system in nearby villages has been provided through mobile tankers and laying of pipeline for supply of water is under progress.</p>		<p>Date: 23/11/2024</p>
20	AIR QUALITY MONITORING AND PRESERVATION	Sufficient nos. of fog cannons of atleast 40 mtrs throw shall be installed at coal storage yard, in nearby villages and along the transportation route. Main haul road in the mine shall be provided with permanent water sprinklers, and other roads shall be regularly wetted with water tankers fitted with sprinklers. Also PP shall install Mist Cannon Dust Suppression Systems (distance 80-100 mtrs.) at Coal Stock Yard to suppress the dust particles.
<p><b>PPs Submission: Being Complied</b> One no. of fog canon having throw of about 50 to 60 m has been deployed at site. 4 nos. of rain guns</p>		<p>Date: 23/11/2024</p>

		have been provided around the coal stock yard 1. Further, water sprinkling is also being carried out through the fixed water sprinkling system and mobile tankers deployed at site to keep the dust under control.	
21	WATER QUALITY MONITORING AND PRESERVATION	PP shall develop additional rain water harvesting pond (100 m, width will be 10 m and the depth will be 3 m) as proposed by PP near the villages of stated area in consultation with Gram Panchayat within 1 year. Also, Indicator aquatic species shall be planted in this water bodies to see the environmental quality. PP shall own water bodies/pond currently present in project area, maintain and regularly monitor the quality for its long term protection.	
<p><b>PPs Submission:</b> Partially Complied</p> <p>A rain water harvesting pond has been developed in village Kiripsira and additional pond will also be constructed in nearby project area in consultation with Gram Panchayat. Further, the existing water bodies / pond situated inside the Dipside Manoharpur Coal Block will be maintained and preserved till the mine operations reaches there.</p>			<p>Date: 23/11/2024</p>
22	GREENBELT	PP shall maintain at least 10 mtrs width tree plantation of broad leaves and wind break/greenshield of about 10 mts height along the boundary of coal storage yard.	
<p><b>PPs Submission:</b> Agreed to Comply</p> <p>Wind break / green shield of about 10m height will be provided along the boundary of coal stock yard. Further, plantation will be carried out along the coal stock yard to develop the green belt which will act as barrier to control the dust emission.</p>			<p>Date: 23/11/2024</p>
23	GREENBELT	PP to plant additional 100,000 plants with three tier plantation along the transportation route, if not completed, and identified areas with consent to the gram panchayat within two year and plant for remaining within 2 years for their proper growth in additional already committed to plant to plantation in 10 ha of project area.	
<p><b>PPs Submission:</b> Being Complied</p> <p>As per plan submitted to EAC MoEFCC, 1,00,000 nos. of plants will be planted within 3 years (between 2024 to 2026). During this year (i.e. 2024), plantation target is 30,000 nos. out of which 28,000 nos. of trees have been planted till September 2024 in safety zone, toe area of OB dump 2, and over slope of OB dump 1.</p>			<p>Date: 23/11/2024</p>
24	AIR QUALITY MONITORING AND PRESERVATION	PP to install 1 continuous ambient air quality monitoring stations at suitable locations preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website and linked it with website of CPCB &SPCB. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.	
<p><b>PPs Submission:</b> Agreed to Comply</p> <p>One no. of continuous ambient air quality monitoring station (CAAQMS) has already been installed inside the project premises and the same is linked with the SPCB server to transfer the real time data. Further, an electronic display board showing the air quality data has also been installed at the entry and exit gate of mine lease area for public display. The photograph showing the CAAQMS and electronic display board has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024). Moreover as directed, another CAAQMS will also be installed at village side (i.e. Sarbahal; inside the OCPL township) in consultation with the SPCB for monitoring of air quality data.</p>			<p>Date: 23/11/2024</p>
25	AIR QUALITY MONITORING AND PRESERVATION	PP to maintain the transportation road properly to minimize the dust emission. PP to also develop pucca/concrete roads by seeking consent from the panchayat with widening of roads especially roads inter linking the villages within the study area of 10 km radius buffer zone.	

<p><b>PPs Submission:</b> Complied Coal transportation roads inside and outside the project premises have been blacktopped / concerted. The photographs showing the same has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
26	<p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p>	<p>PP to monitor the water quality of the ground water and surface water body located within the core zone and 5 km radius from the periphery of the mine boundary as per procedure laid down by CPCB.</p>
<p><b>PPs Submission:</b> Being Complied No ground water extraction is being carried out inside the project area except mine dewatering. Therefore, monitoring of ground water quality and surface water quality is being carried out in buffer zone only. The latest monitoring report of September month 2024 in this regard is attached herewith. Further, the mine dewatering sample collected from mine sump is also being analysed regularly in the laboratory to check the water quality parameters. The latest analysis report for the same is attached herewith.</p>		<p>Date: 23/11/2024</p>
27	<p><b>MISCELLANEOUS</b></p>	<p>PP shall pay to farmers of agricultural land if there is any loss due to pollution found by concerned District Commissioner as per extent rules or norms.</p>
<p><b>PPs Submission:</b> Agreed to Comply The stipulated condition will be complied as per the applicable norms / guidelines of competent authority.</p>		<p>Date: 23/11/2024</p>
28	<p><b>Human Health Environment</b></p>	<p>PP to provide bio toilets to the villages located within the study areas within 1 year from the grant of this EC.</p>
<p><b>PPs Submission:</b> Agreed to Comply The necessary steps will be taken by OCPL to install bio toilets in surrounding villages in consultation with the Dist. Administration. Further, 2 nos. of bio-toilet will also be provided at the project site.</p>		<p>Date: 23/11/2024</p>
29	<p><b>PUBLIC HEARING</b></p>	<p>Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.</p>
<p><b>PPs Submission:</b> Being Complied Training on livelihood and skill development for persons of nearby villages is being conducted through an appointment of international agency i.e. M/s Mart. The copy of LOA issued to agency in this regard is attached herewith. Further, Mining Sirdar training is being provided to 10 nos. of PAF by OCPL to make them employable and approval has been taken for training of additional 15 nos. PAF. The sample copy of appointment letter has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
30	<p><b>ENERGY PRESERVATION MEASURES</b></p>	<p>PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.</p>
<p><b>PPs Submission:</b> Agreed to Comply The necessary steps has already been initiated by OCPL to install the solar lights inside and outside the project area and the same is under process.</p>		<p>Date: 23/11/2024</p>
31	<p><b>Statutory compliance</b></p>	<p>PP shall conduct third party audit of compliance of EC condition at an interval six months and its report shall be submitted to IRO, MoEF&amp;CC.</p>



<p><b>PPs Submission:</b> Agreed to Comply Third party audit of compliance of EC condition will be carried out at an interval six months by appointing a reputed institute / agency and the report generated will be submitted to IRO, MoEFCC. Apart from this, internal environmental audit is being carried out regularly to check the effective compliance of pollution control measures at site.</p>		<p>Date: 23/11/2024</p>
32	Statutory compliance	PP shall follow the recommendation of subsidence study and monitor the degree of subsidence regularly and shall be submitted to IRO.
<p><b>PPs Submission:</b> Not Complied Not Applicable.</p>		<p>Date: 23/11/2024</p>
33	AIR QUALITY MONITORING AND PRESERVATION	PP shall implement air pollution mitigation measures near the villages, located at coal storage yard within mine lease area.
<p><b>PPs Submission:</b> Being Complied Adequate mitigation measures such as sprinkling of water through fog canon, rain guns, mobile tankers etc. are being continuously followed to control the air pollution in surrounding villages.</p>		<p>Date: 23/11/2024</p>
34	Statutory compliance	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority.
<p><b>PPs Submission:</b> Agreed to Comply The dedicated environment laboratory will be setup for measurement of environmental parameters within the mine lease area and the same will be functional in future.</p>		<p>Date: 23/11/2024</p>
35	MISCELLANEOUS	PP shall reduce the carbon footprint after sequestration of CO2. IRO will review the progress of CO2 sequestration. The process of sequestration of CO2 will include the planting trees, by "Developing carbon capture and storage (CCS) technologies" and implementation of renewable energy. Further, PP shall carry out enough plantation to ensure carbon sequestration lost due to deforestation and other fossil fuel based activities.
<p><b>PPs Submission:</b> Agreed to Comply An expert agency will be appointed to carry out the CO2 sequestration study and appropriate suggestion will be implemented at site to reduce the carbon footprint of the said project. However, OCPL is continuously taking efforts towards the carbon capture and storage technology (CCS) by adopting the various activities such as plantation inside and outside the project premises, installation of solar lights inside township, project area, R and R colony, provision of solar panel in future to utilize the renewable energy etc.</p>		<p>Date: 23/11/2024</p>
36	WATER QUALITY MONITORING AND PRESERVATION	PP shall implement Effluent Treatment Plant for wastewater generated from workshop and Sewage Treatment Plan for its colony. No untreated water shall be discharged from mine boundaries to ponds/nallah/river.
<p><b>PPs Submission:</b> Complied Effluent Treatment Plant (ETP) for treatment of wastewater generated from workshop has been provided at site. Further, Sewage Treatment Plant (STP) has also been provided inside the township to treat the generated waste water. No treated / untreated waste water is being discharged outside the</p>		<p>Date: 23/11/2024</p>



mine boundary as the total treated waste water obtained from ETP and STP is being reutilized for water sprinkling and green belt development purpose.

## General Conditions

Sr.No.	Condition Type	Condition Details
1	PUBLIC HEARING	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius
<b>PPs Submission:</b> Agreed to Comply OCPL has planned to install the solar lights on transportation roads and surrounding villages for use renewable energy.		Date: 23/11/2024
2	Statutory compliance	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
<b>PPs Submission:</b> Agreed to Comply Forest Clearance (FC) Stage I and Stage II has already been for the diversion of 276.655 ha forest land for development of Manoharpur Coal Mine Block. Further, FC Stage I has also been obtained for diversion of 342.87 ha forest land for development of Dipside Manoharpur Coal Block. The copy of FC approval for both Manoharpur and Dipside Manoharpur Coal Block has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).		Date: 23/11/2024
3	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
<b>PPs Submission:</b> Not Complied Not Applicable.		Date: 23/11/2024
4	Statutory compliance	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. TThe implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
<b>PPs Submission:</b> Complied The site specific wildlife conservation plan has been approved by PCCF (Wildlife and CWLW), Bhubaneswar vide letter dt. 04.10.2021 wherein an amount of Rs. 8.47 Crores was approved for deposition in CAMPA fund for effective implementation of wildlife conservation plan. Accordingly, State Forest Dept. raised the demand notice to deposit the fund in CAMPA account. OCPL has been deposited the Rs. 8.47 Cr. in CAMPA fund on 06.03.2024 and the same has also been intimated to the competent authority vide letter dt. 16.04.2024. The acknowledgement copy of same is attached herewith.		Date: 23/11/2024
5	Statutory compliance	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee prior to start/commencement of mining operations/production
<b>PPs Submission:</b> Complied The Consent to Establish (CTE) for 16MTPA of coal production capacity has been obtained from SPCB Odisha vide letter dt. 29.02.2024. Further, Consent to Operate (CTO) for 13 MT coal		Date: 23/11/2024

production during FY 2024-25 has also been obtained from SPCB, Odisha vide letter dt. 12.03.2024.		
6	Statutory compliance	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
<b>PPs Submission:</b> Complied The No Objection Certificate from Central Ground Water Authority for dewatering of mine water has been obtained vide letter dt. 14.02.2024.		Date: 23/11/2024
7	Statutory compliance	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
<b>PPs Submission:</b> Complied Authorization under Hazardous and Other Waste Management Rules, 2016 has been obtained from SPCB, Odisha vide letter dt. 15.03.2024.		Date: 23/11/2024
8	Statutory compliance	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
<b>PPs Submission:</b> Complied The transmission line between NTPC Darlipali power station and OCPL mine substation for supply of power has already been laid for meeting the power demand of project site and the same will be commissioned soon. The necessary permission in this regard has already been obtained from the competent authority. The copy of same has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).		Date: 23/11/2024
9	Statutory compliance	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
<b>PPs Submission:</b> Being Complied The maximum production or peak production at any given time will not exceed the limit as prescribed in the EC (i.e. 16 MTPA PRC).		Date: 23/11/2024
10	Statutory compliance	Validity of Environment Clearance is as per life of the mine mentioned in EC letter or 30 years as per EIA Notification, 2006 and its amendments therein
<b>PPs Submission:</b> Agreed to Comply The life of mine as per the approved MP (rev III) is 44 years and date of grant of EC by MoEFCC is 05.02.2024. However, the validity of EC will be get renewed after 30 years as per EIA Notification, 2006 and its amendments therein.		Date: 23/11/2024
11	Statutory compliance	All the conditions stipulated in previous Environment Clearance conditions should be strictly complied within certain timeline
<b>PPs Submission:</b> Being Complied The conditions stipulated in previous EC (8MTPA) and current EC (16MTPA) is being followed at site.		Date: 23/11/2024
12	AIR QUALITY MONITORING AND PRESERVATION	Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. The new

		CAAQMS should be installed with expansion.	
		<p><b>PPs Submission: Being Complied</b> Eight nos. monitoring stations (4 nos. in core zone and 4 nos. in buffer zone) has been installed for monitoring of air quality in consultation with the SPCB (regional office). The monitoring of environmental parameters is being carried out through the MoEFCC/NABL/OSPCB accredited laboratory M/s Visiontek Consultancy Services Pvt. Ltd. Further, one no. CAAQMS for monitoring of air quality parameters has also already been installed in core zone in consultation with the SPCB (regional office). The same has been connected with SPCB server for the transfer of real time air quality data.</p>	<p>Date: 23/11/2024</p>
13	AIR QUALITY MONITORING AND PRESERVATION	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	
		<p><b>PPs Submission: Being Complied</b> The ambient air quality is being monitored regularly with the heavy metals analysis such as Hg, As, Ni, Cd, Cr etc. in every six months. The analysis report shows that the results are under permissible limits. The latest copy of heavy metal analysis report in this regard is attached herewith.</p>	<p>Date: 23/11/2024</p>
14	AIR QUALITY MONITORING AND PRESERVATION	Transportation of coal, to the extent, if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun/ Fog cannon etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	
		<p><b>PPs Submission: Being Complied</b> Transportation of coal is being carried out through covered trucks / conveyors. Further, effective control measures such as rain guns, fog canon, fixed water sprinkling along the roads, wheel washing with instant shower system for tippers, water sprinkling through tankers etc. are being implemented to control the dust pollution and to confirm the standards of air quality as per the norms prescribed by CPCB/SPCB.</p>	<p>Date: 23/11/2024</p>
15	AIR QUALITY MONITORING AND PRESERVATION	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	
		<p><b>PPs Submission: Being Complied</b> Transportation of coal is being carried out as per the provisions laid in the approved MP (rev III). Further, no village road is being re-utilized for transportation of coal.</p>	<p>Date: 23/11/2024</p>
16	AIR QUALITY MONITORING AND PRESERVATION	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.	
		<p><b>PPs Submission: Partially Complied</b> Solar lights will be installed along the road used for transportation of coal. However, till date 30 nos. of solar light having total capacity of 2400 watts have been installed within the project area to harness the solar energy and reduces the load on conventional power.</p>	<p>Date: 23/11/2024</p>



17	MISCELLANEOUS	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
<b>PPs Submission:</b> Agreed to Comply Agreed.		Date: 23/11/2024
18	MISCELLANEOUS	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
<b>PPs Submission:</b> Agreed to Comply Agreed.		Date: 23/11/2024
19	LAND RECLAMATION	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.
<b>PPs Submission:</b> Agreed to Comply The time schedule as specified in the approved Mine Closure Plan will be followed at site. The top soil stored at topsoil dump will be utilized for land reclamation and plantation purposes. Further, the finished benches of active OB dump is being stabilised with native grass species and plantation over the slope and toe of dump to prevent erosion and surface run off. The excavated area will be backfilled and afforested in line with the approved Mine Closure Plan and compliance status of same will be submitted regularly to Ministry of Environment, Forest and Climate Change/ Regional Office.		Date: 23/11/2024
20	LAND RECLAMATION	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.
<b>PPs Submission:</b> Agreed to Comply Will be complied in compliance to applicable norms / guidelines of Hon'ble Supreme Court.		Date: 23/11/2024
21	LAND RECLAMATION	Top soil should be stored separately at marked area and necessary vegetation shall be maintained to avoid any entrainment of dust
<b>PPs Submission:</b> Complied The excavated top soil has been stored at an earmarked place as per the approved MP.		Date: 23/11/2024



22	LAND RECLAMATION	Progressive backfilling of mine and progressive reclamation of OB dump shall be done
<b>PPs Submission:</b> Agreed to Comply The progressive backfilling of mine and reclamation of OB dump with backfilled areas is being and will be carried out as per approved MP.		Date: 23/11/2024
23	LAND RECLAMATION	Active OB Dump should not be kept barren/open and should be covered by temporary grass to avoid air born of particles
<b>PPs Submission:</b> Agreed to Comply The finished benches of active OB dump will be covered by planting grass to avoid air born of dust particles.		Date: 23/11/2024
24	LAND RECLAMATION	PP shall explore the possibilities of utilization of OB material for different purposes (in construction of roads/ manufacture of artificial sand, aggregates/ use for farmers etc.)
<b>PPs Submission:</b> Complied Earlier, a technical study for utilization of OB material such as sand stones has been carried out by NIT Rourkela; wherein it was found that the sandstone available in Manoharpur coal mine does not confirm to the specifications of the construction grade sand stone required for house construction. Hence, the sandstones to be generated during mining cannot be reused for construction purpose. The copy of report issued by NIT, Rourkela in this regard has already been submitted to your good office vide our letter no. OCPL/451 dt. 14.05.2022 (kindly refer Annexure 1).		Date: 23/11/2024
25	LAND RECLAMATION	All approach roads to mine and all other roads which are in regular use should be black topped. The maintenance of road shall be done by PP in collaboration with state government
<b>PPs Submission:</b> Agreed to Comply All approach roads to mine and all other roads connected to project site are either black topped or concreted. The maintenance of same will be carried out in collaboration with state government.		Date: 23/11/2024
26	LAND RECLAMATION	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC
<b>PPs Submission:</b> Agreed to Comply OCPL hereby undertake that the mining area and any other area which may have been disturbed due to mining activities will be restored as per the land use approved in MP. The implementation report of the same will be submitted to Regional Office of the MoEF&CC.		Date: 23/11/2024
27	GREENBELT	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.

<p><b>PPs Submission:</b> Agreed to Comply Site specific wildlife conservation plan has been prepared in consultation with the State Forest Dept. and the same will be implemented at site in consultation with the State Forest Dept. Further, if any endangered/endemic flora/fauna will be observed in the project area, the same will be conserved and protected in consultation with the State Forest Dept.</p>		<p>Date: 23/11/2024</p>
28	GREENBELT	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads. And Plantation should also be carried out in nearby area with consent of forest department and gram panchayat within 10 km radius with its proper maintenance.
<p><b>PPs Submission:</b> Agreed to Comply Green belt is being developed in the safety zone (i.e. 7.5m) all along the mine boundary by planting the local native species. Further, plantation is also being carried out in open areas, around coal transportation road etc.</p>		<p>Date: 23/11/2024</p>
29	Human Health Environment	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on sixmonthly basis.
<p><b>PPs Submission:</b> Being Complied Adequate illumination has been provided in all mine operational areas and the same is also being monitored regularly and recorded at site for improvement, if required. The monitoring report in this regard has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
30	Human Health Environment	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
<p><b>PPs Submission:</b> Being Complied Occupational health survey for initial and periodical medical examination of the personnel engaged in the project is being carried out regularly and the records have been maintained at site.</p>		<p>Date: 23/11/2024</p>
31	Human Health Environment	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
<p><b>PPs Submission:</b> Being Complied Proper PPEs including protective respiratory devices have been provided to the workers engaged in core zone. Further, a vocational training centre has also been setup inside the project premises wherein adequate training and informations are being provided on safety and health aspects.</p>		<p>Date: 23/11/2024</p>
32	PUBLIC HEARING	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.

<p><b>PPs Submission:</b> Agreed to Comply OCPL will make its best efforts to comply the task/measures as suggested during the public hearing. Budgetary provisions for the same has already been considered. Further, land oustees will be compensated as per the norms approved in R and R policy of the company/State Government/Central Government, as applicable.</p>		<p>Date: 23/11/2024</p>
33	PUBLIC HEARING	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z- 11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
<p><b>PPs Submission:</b> Agreed to Comply Adequate EMP measures are being and will be followed at site to reduce the impact of mining activities on habitations and nearby areas.</p>		<p>Date: 23/11/2024</p>
34	PUBLIC HEARING	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
<p><b>PPs Submission:</b> Being Complied CSR activities are being carried out in consultation with the Administration Dept. of Dist. Sundargarh.</p>		<p>Date: 23/11/2024</p>
35	Human Health Environment	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
<p><b>PPs Submission:</b> Agreed to Comply Presently, health camp is being organised in surrounding villages by OCPL. Further, Epidemiology study will be carried out at an appropriate stage to analyse the distribution, patterns and determination of health and disease aspects.</p>		<p>Date: 23/11/2024</p>
36	Human Health Environment	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
<p><b>PPs Submission:</b> Complied A dispensary has been constructed inside the township of OCPL which is very near to the project site. To operate the same, medical staff has been appointed.</p>		<p>Date: 23/11/2024</p>
37	Human Health Environment	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
<p><b>PPs Submission:</b> Agreed to Comply An emergency action plan has already been prepared and the same is in place to follow in any emergency situation. Further, the same will be updated to provide assistance to the nearby villages located within the 10 km radius in pandemic situation, if arise in future.</p>		<p>Date: 23/11/2024</p>
38	WATER QUALITY MONITORING AND PRESERVATION	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
<p><b>PPs Submission:</b> Being Complied The water pumped out from the mine is being reused for watering the mine area, roads, green belt development etc. Further, the drains are also being regularly desilted before and after monsoon to</p>		<p>Date: 23/11/2024</p>



		maintain the same properly.	
39	WATER QUALITY MONITORING AND PRESERVATION	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	
<p><b>PPs Submission:</b> Agreed to Comply</p> <p>An expert agency or a reputed institute will be hired to carry out the surface drainage study for the core and buffer zone for surface water conservation. The suggestion / recommendation of the study will be implemented to conserve the surface water. Further, the diversion of garia nalla located inside the Manoharpur coal block will be diverted as per the design approved by the Dept. of water Resources. Later on, the garia nalla and lapani nalla passes through the Dipside Manoharpur Coal Block will also be diverted in consultation with Dept. of Water Resources (DoWR). An approval for the same has been accorded by DoWR vide letter dt. 07.02.2023.</p>			Date: 23/11/2024
40	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A rivarine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	
<p><b>PPs Submission:</b> Agreed to Comply</p> <p>As stated earlier, an expert agency or a reputed institute will be appointed to prepare a rivarine/riparian ecosystem conservation and management plan and the recommendation of same will be implemented at site.</p>			Date: 23/11/2024
41	WATER QUALITY MONITORING AND PRESERVATION	Quality of polluted water generated from the operations which include COD and acid mine drainage and metal contamination shall be monitored along with TDS, DO, TSS. The monitored data shall be uploaded on the website of the company as well as displayed at the site in public domain.	
<p><b>PPs Submission:</b> Being Complied</p> <p>The polluted waste water generated from the mine sump and ETP of the workshop is being monitored regularly. The data of analysis report is also being submitted regularly to the SPCB and competent authority. The same is also is being uploaded on company website and main entry / exit gate of project site.</p>			Date: 23/11/2024
42	WATER QUALITY MONITORING AND PRESERVATION	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction and mining operation by installing adequate number of RO plants with proper supply line and Taps within 2 years	
<p><b>PPs Submission:</b> Being Complied</p> <p>The domestic water is being provided through the mobile tankers to the residents / villages which are coming under the zone of influence due to mining operations.</p>			Date: 23/11/2024
43	WATER QUALITY MONITORING AND PRESERVATION	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained	



		as per the norms.
<p><b>PPs Submission: Complied</b> The STP has been provided inside the township to treat the generated domestic waste water. Further, the additional STP will be constructed as and when required at an appropriate place.</p>		<p>Date: 23/11/2024</p>
44	Noise Monitoring & Prevention	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
<p><b>PPs Submission: Being Complied</b> Adequate measures such as control blasting, proper PPEs to the workers engaged in blasting and drilling operations, operation of HEMM, etc. are being adopted at site for control of noise levels as per Noise Pollution Rules, 2016. The monitoring of noise is also being carried out inside core zone and buffer zone to check the noise levels. The noise quality monitoring report for September month 2024 in this regard is attached herewith. Further awareness training programme is also being conducted regularly in the vocational training centre (VTC) situated inside the project premises.</p>		<p>Date: 23/11/2024</p>
45	Noise Monitoring & Prevention	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.
<p><b>PPs Submission: Being Complied</b> Controlled blasting as per recommendation of CIMFR is being followed at site in order to reduce the ground vibrations, fly rocks, noise and air blast etc.</p>		<p>Date: 23/11/2024</p>
46	Noise Monitoring & Prevention	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.
<p><b>PPs Submission: Being Complied</b> Regular monitoring of noise level is being carried out in core and buffer zone to check the noise exposure of the workmen at vulnerable points in the mine premises. The result of the same is being submitted regularly to the SPCB and competent authority. The report of the same in this regard is attached herewith.</p>		<p>Date: 23/11/2024</p>
47	MINING PLAN	5- Star Rating is mandatory to obtaine certification as per guidelines of Ministry of Coal
<p><b>PPs Submission: Being Complied</b> The mine has awarded 5 star rating for FY 2019-20, 2021-22, 2022-23 by the Ministry of Coal ( MoC), GoI. The copy of 5 star rating obtained from MoC for FY 2022-23 has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
48	MINING PLAN	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
<p><b>PPs Submission: Agreed to Comply</b> Mine operations are being and will be carried out in accordance with applicable rules / guidelines as prescribed by the Statutory / Competent authorities.</p>		<p>Date: 23/11/2024</p>
49	MINING PLAN	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General

		Mines Safety (DGMS).
<b>PPs Submission:</b> Agreed to Comply Mining will be carried out as per the mining plan (including Mine Closure Plan) approved by Ministry of Coal (MoC), GoI vide letter dt. 26.09.2019.		<b>Date:</b> 23/11/2024
50	MINING PLAN	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.
<b>PPs Submission:</b> Agreed to Comply Necessary forest clearance has been obtained from the MoEFCC for mining operation inside the Manoharpur and Dipside Manoharpur Coal Block.		<b>Date:</b> 23/11/2024
51	MINING PLAN	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
<b>PPs Submission:</b> Agreed to Comply OCPL will make its efforts towards the reduction in fuel consumption by adopting the latest technologies and use of renewable energy.		<b>Date:</b> 23/11/2024
52	MINING PLAN	PP shall adopt mining method by preferably using surface miners for the project and silo loading through in-pit conveyor should be adopted
<b>PPs Submission:</b> Agreed to Comply Surface miner is being used for mining of coal and silo loading through in-pit conveyor will be adopted at a later stage as and when required.		<b>Date:</b> 23/11/2024
53	MINING PLAN	Tranportation of coal till Railway Siding shall be developed to avoid transportation through Road
<b>PPs Submission:</b> Agreed to Comply To transport the excess coal, railway siding will be developed in future as and when required.		<b>Date:</b> 23/11/2024
54	LAND RECLAMATION	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
<b>PPs Submission:</b> Being Complied The digital survey of Manoharpur coal mine block was carried out in 2021 for monitoring of land use pattern and report was submitted to MoEFCC. Further, the due study in 2024 is also under process for the entire lease hold area of Manoharpur and Dipside Manoharpur Coal Mine Block.		<b>Date:</b> 23/11/2024
55	LAND RECLAMATION	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Postmining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.
<b>PPs Submission:</b> Agreed to Comply The mine closure will be carried out in accordance with the Mine closure Plan as approved in Mining Plan (Rev III) by MoC, GoI.		<b>Date:</b> 23/11/2024

56	LAND RECLAMATION	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the “during mining”/”post mining” land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.
<b>PPs Submission:</b> Agreed to Comply The back filling of OB material, external OB dumping (including top soil) and afforestation plan will be carried out at site as per the approved mining plan. Further, the progressive compliance report on the said parameters will be submitted regularly to your good office.		Date: 23/11/2024
57	LAND RECLAMATION	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
<b>PPs Submission:</b> Agreed to Comply Fly ash will be used with overburden for backfilling at a later stage when the sufficient void is available in the mine. However, a detailed study in this regard will be carried out by an expert agency and accordingly the recommendation / suggestions will be implemented at site.		Date: 23/11/2024
58	AIR QUALITY MONITORING AND PRESERVATION	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining ‘PUC’ certificate from the authorized pollution testing centres.
<b>PPs Submission:</b> Being Complied PUC certified vehicles are being used in mining and allied activities.		Date: 23/11/2024
59	AIR QUALITY MONITORING AND PRESERVATION	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
<b>PPs Submission:</b> Complied Dump hopper and crusher at receiving pit have been equipped with dust suppression system. The same is in operation also to control the fugitive dust emissions. Belt conveyors are also fully covered to control the fugitive dust emission. Drill operating at site are fitted with dust extractor as well as wet operated.		Date: 23/11/2024
60	AIR QUALITY MONITORING AND PRESERVATION	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.
<b>PPs Submission:</b> Complied All environmental friendly measures such as dust suppression system at receipt pit, dry fog dust suppression system at each transfer point of belt conveyors, dust suppression system at coal storage bunker, rake loading facility through silos, coal transportation to end use power plant through dedicated MGR network etc. are being followed at site.		Date: 23/11/2024
61	AIR QUALITY MONITORING AND PRESERVATION	Adequate measures on EMP should be analyzed on annual basis to assess the trend of air pollution data from continuous monitoring



	PRESERVATION	station and quarterly report shall be generated and submitted with 6 monthly compliance reports to RO, MoEF&CC.
<b>PPs Submission:</b> Being Complied The latest monitoring data for the quarter (i.e. 1st July 2024 to 30th September 2024) generated from CAAQMS is attached herewith.		Date: 23/11/2024
62	AIR QUALITY MONITORING AND PRESERVATION	Effective safeguard measures for prevention of dust generation and subsequent suppression like regular water sprinkling shall be carried out in areas prone to air pollution. The Fugitive dust emission from all sources shall be regularly controlled by installation of required equipment's. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB
<b>PPs Submission:</b> Being Complied Adequate measures as suggested in EMP are being implemented at site to control the dust pollution.		Date: 23/11/2024
63	AIR QUALITY MONITORING AND PRESERVATION	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
<b>PPs Submission:</b> Being Complied One no. of mobile fog canon along with adequate water tankers having effective sprinkling system have been deployed at site to reduce the impact of air pollution at dust generating sources.		Date: 23/11/2024
64	AIR QUALITY MONITORING AND PRESERVATION	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
<b>PPs Submission:</b> Agreed to Comply Will be complied after construction of railway siding in future.		Date: 23/11/2024
65	AIR QUALITY MONITORING AND PRESERVATION	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.
<b>PPs Submission:</b> Agreed to Comply Post environmental closure will be monitored by third party and study on environmental parameters will be carried out in confirmation to EMP measures.		Date: 23/11/2024
66	AIR QUALITY MONITORING AND PRESERVATION	Comparison of average monthly temperature of pre and post mine operation after obtaining EC shall be elaborated for post three years and a record to be maintain at regular interval.
<b>PPs Submission:</b> Agreed to Comply Comparison of average monthly temperature of pre and post mine operation will be carried out and a record will be maintained at site. Monthly weather monitoring data including temperature, humidity, rainfall, wind direction etc. is being submitted regularly to statutory authority along with environmental monitoring reports.		Date: 23/11/2024
67	WATER QUALITY MONITORING AND PRESERVATION	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central



		Pollution Control Board.
<p><b>PPs Submission: Being Complied</b> No effluent is being discharged to outside the mine premises and the treated water generated from ETP and mine sump is being reused for water sprinkling purpose, plantation etc. The analysis of ETP water (Inlet and Outlet) and mine sump water is being carried out regularly on monthly basis to check the water quality parameters. The latest monitoring report showing the results for September 2024 is attached herewith.</p>		Date: 23/11/2024
68	WATER QUALITY MONITORING AND PRESERVATION	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
<p><b>PPs Submission: Being Complied</b> The monitoring data is being displayed at company website as well as main entry/exit gate of project site.</p>		Date: 23/11/2024
69	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
<p><b>PPs Submission: Being Complied</b> The monitoring of ground water level and quality is being carried out regularly. The data generated in this regard for August month 2024 is attached herewith.</p>		Date: 23/11/2024
70	WATER QUALITY MONITORING AND PRESERVATION	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
<p><b>PPs Submission: Being Complied</b> Monthly monitoring of upstream and downstream of garia nalla located inside and outside the mine premises is being carried out and analysis report is being submitted regularly to the SPCB and other competent authority. The copy of analysis report for September month 2024 is also attached herewith.</p>		Date: 23/11/2024
71	WATER QUALITY MONITORING AND PRESERVATION	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
<p><b>PPs Submission: Being Complied</b> No ground water excluding mine water is being used inside the project premises for mining operations. The collected mine water in sump is being reused for sprinkling purpose. Further, rainwater harvesting is also being carried out through the establishment of permanent and temporary rain water recharge pond inside the project area.</p>		Date: 23/11/2024
72	WATER QUALITY MONITORING AND PRESERVATION	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing

		adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.
<p><b>PPs Submission: Being Complied</b> Catch drains or garland drains along with siltation ponds in adequate numbers and size are being constructed at site around the mine working, coal storage yard and OB dumps to handle the generated runoff water. The drains and siltation ponds are also being desilted at regular interval well before the monsoon season. Further, toe wall has also been constructed around the finished lower bench of OB dump 1 to handle the sliding down of OB dump material, if any. Plantation of native species such as neem, sababool, bahuda, harida have been planted between toe of the dump and toe wall constructed around the dump.</p>		Date: 23/11/2024
73	WATER QUALITY MONITORING AND PRESERVATION	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).
<p><b>PPs Submission: Being Complied</b> Adequate groundwater recharge measures as suggested in EMP and approved MP are being taken up for augmentation of ground water</p>		Date: 23/11/2024
74	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.
<p><b>PPs Submission: Being Complied</b> The waste water generated from the CHP areas are being treated through the settling tanks provided at various locations. Apart from that ETP has also been provided at workshop to treat the generated waste water from vehicle washing. STP has also been provided inside the township area to treat the domestic waste water.</p>		Date: 23/11/2024
75	PUBLIC HEARING	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year
<p><b>PPs Submission: Agreed to Comply</b> The villages have been identified and steps are being taken to install the solar lights.</p>		Date: 23/11/2024
76	PUBLIC HEARING	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours
<p><b>PPs Submission: Agreed to Comply</b> The mining operation is being carried out in such a way that the illumination and sound at night at</p>		Date:

		project site will not disturb the villages in respect of both human and animal population. The noise level monitoring is being carried out to check the noise level at project site and in surrounding during the day and night. The observed noise levels are well within the permissible limits as prescribed by the MoEFCC.	23/11/2024
77	PUBLIC HEARING	Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.	
		<b>PPs Submission:</b> Complied Adequate facility of drinking water, plantation and other social amenities have already been provided to the constructed R and R colonies for village Manoharpur and Ghumudasan. Further, the same will also ensure for the village Parmanandpur and Kathfali which will be shifted at later stage as and when required for the development of Dipside Manoharpur Coal Block.	Date: 23/11/2024
78	PUBLIC HEARING	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	
		<b>PPs Submission:</b> Being Complied Persons of nearby villages have been appointed for training of Mining Sirdar, Supervisors etc. for their better livelihood and skill development to make them employable.	Date: 23/11/2024
79	PUBLIC HEARING	Compensation of the land acquired for the project shall be settled as per the R&R Policy within fixed timeline	
		<b>PPs Submission:</b> Agreed to Comply Compensation of the land acquired for the project will be settled as per the R and R policy approved by company/ State Govt./ Central Govt..	Date: 23/11/2024
80	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.	
		<b>PPs Submission:</b> Complied Environment policy has been approved by Board and it is in place. The policy document has the SOPs to deal with environmental issues for ensuring compliance to the conditions stipulated in environmental clearance. There is an environment management cell comprises of technical qualified persons which is taking care of all environmental compliances of clearances and monitoring. The cell is headed by Head of Company through Head of Mines.	Date: 23/11/2024
81	Corporate Environmental Responsibility	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	
		<b>PPs Submission:</b> Complied An environment management cell comprising of technical qualified personnel is working in the organization who is directly reporting to the Head of Company through Head of Mines.	Date: 23/11/2024
82	Corporate Environmental Responsibility	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to	



		the Ministry/Regional Office along with the Six Monthly Compliance Report.
<p><b>PPs Submission:</b> Agreed to Comply The measures as proposed in the EMP with responsibility matrix will be implemented at site. Further, the funds earmarked for environmental protection measures have been kept separate in ESCROW account. The year wise implementation of the activities as prescribed in Mine Closure Plan are being followed at site and the details of fund spent year wise towards their implementation has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
83	Corporate Environmental Responsibility	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
<p><b>PPs Submission:</b> Agreed to Comply Self-environmental audit is being conducted regularly at site for better implementation of EMP measures. Further, third party environmental audit will be carried out in every three years to ensure the compliance of EC conditions.</p>		<p>Date: 23/11/2024</p>
84	Corporate Environmental Responsibility	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-compliance or infringement should be reported to the concerned authority
<p><b>PPs Submission:</b> Agreed to Comply The dedicated environment laboratory within the mine lease will be setup for testing of environmental parameters. Presently, the environmental monitoring is being carried out by the MoEFCC/NABL/OSPCB accredited laboratory and results are being submitted regularly to the statutory authorities.</p>		<p>Date: 23/11/2024</p>
85	MISCELLANEOUS	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
<p><b>PPs Submission:</b> Complied The copy of EC granted by MoEFCC vide letter dt. 05.02.2024 has been published in two local newspapers. The copy of same has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024). Further, the copy of EC has also been uploaded permanently on company website.</p>		<p>Date: 23/11/2024</p>
86	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
<p><b>PPs Submission:</b> Complied The copy of EC has been submitted to the Heads of local bodies, Panchayats and Municipal Bodies. The acknowledgement receipt in this regard has already been submitted and uploaded along with post EC compliance report (October 2023 to March 2024).</p>		<p>Date: 23/11/2024</p>
87	MISCELLANEOUS	The project proponent shall upload the status of compliance of the



		stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	
<b>PPs Submission: Being Complied</b> The status of compliance of the stipulated environment clearance conditions, including results of monitored data has been displayed at company website.			Date: 23/11/2024
88	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	
<b>PPs Submission: Being Complied</b> The monitored data have been displayed at company website and main entry/ exit gate of project site for disclosure to the public.			Date: 23/11/2024
89	MISCELLANEOUS	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	
<b>PPs Submission: Being Complied</b> The six-monthly report on the status of the compliance of the stipulated environmental conditions is being uploaded on Parivesh 2.0 Portal of Ministry of Environment, Forest and Climate Change			Date: 23/11/2024
90	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	
<b>PPs Submission: Being Complied</b> The environmental statement for each financial year in Form- V is being submitted regularly to the SPCB and the same has also been uploaded on company website. Further, the acknowledgement email of submission of environmental statement for FY 2023-24 is attached herewith for your kind consideration and ready reference.			Date: 23/11/2024
91	MISCELLANEOUS	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	
<b>PPs Submission: Complied</b> The commencement of mining operation has already been informed to the Regional Office of the MoEFCC in the half yearly post EC compliance report submitted earlier.			Date: 23/11/2024
92	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	
<b>PPs Submission: Being Complied</b> OCPL is strictly following the stipulation as made by the State Pollution Control Board and the State Government.			Date: 23/11/2024
93	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
<b>PPs Submission: Agreed to Comply</b>			Date:

OCPL will comply the commitments and recommendations as made in the EIA/EMP report, during Public Hearing and also during presentation to the Expert Appraisal Committee.		23/11/2024
94	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
<b>PPs Submission:</b> Agreed to Comply No further expansion or modifications in the said project will be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.		Date: 23/11/2024
95	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
<b>PPs Submission:</b> Agreed to Comply Agreed.		Date: 23/11/2024
96	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
<b>PPs Submission:</b> Agreed to Comply Agreed.		Date: 23/11/2024
97	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
<b>PPs Submission:</b> Agreed to Comply Agreed.		Date: 23/11/2024
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		N/A
<b>Additional Remarks:</b>		
<p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		