

Ref. No.: PO (Ananta OCP) /Envt./2025/ 4741

Date: 30 /11/2025

To,

The Dy. Director General of Forest (Central)
Ministry of Environment, Forest & CC
Eastern Regional Office,
A/3, Chandrasekharapur,
Bhubaneswar – 751023

Sub-: Submission of half yearly progressive report, the compliance of the Environment Clearance Conditions in respect of Ananta Open Cast Project, Jagannath Area, MCL, for the period from April-2025 to September -2025.

Ref.No- J-11015/397/2008-IA.II (M) Dated-15.03.2025


Dear Sir,

Enclosed, please find herewith the above mentioned report in hard copy as well as soft copy for the period from April-2025 to September -2025. in respect to Ananta OCP, Jagannath Area, M/s MCL.

This is for your kind information.

Enclosed – As above

Yours Faithfully


GM(Min)/ Project Officer
Ananta OCP,JA,MCL
Project Officer
Ananta OCP (JA) MCL

Copy to: -

1. The Director,
EIA monitoring cell,
Ministry of Environment, Forest & CC
Paryavaran Bhawan, C.G.O Complex,
New – Delhi – 100003
2. The General Manager, (Envt. & Forest), MCL, HQ, Sambalpur.
3. The General Manager, Jagannath Area, -for kind information.
4. The Staff Officer, (E & F), Jagannath Area.
5. The Evt. Officer, Ananta OCP

PROGRESS REPORT ON THE IMPLEMENTATION OF ENVIRONMENTAL CLEARANCE CONDITIONS IMPOSED BY MOEF & CC(GOI),NEW DELHI IN RESPECT OF ANANTA OPENCAST PROJECT PHASE III OF JAGANNATH AREA.MCL

1	Status of period ending	:	30.09.2025
2	Name of the Project	:	Ananta OC Project Phase III
3	No. & Date of MOEF clearance letter:	:	No.J-11015/397/ 2008 - IA.II(M) dated 15.03.2025
4	Present status of the Project :		
(a)	Mining operations	:	It is an Opencast Project, the coal is extracted by using surface miner after OB removal by drilling and blasting, The blasted material is excavated by using shovel dumper combination. Coal transportation, by contractual Pay Loader- Tipper system and closed conveyor belt with SILO system is used.
(b)	Project Capacity as per EMP	:	24 MTPA
(c)	Coal Production (From April-2025 to September -2025.)	:	11363283.72 Te
(d)	Total Coal Extracted till 30.09.2025	:	320.241 MT.
(e)	Total OB Excavated (From April-2025 to September -2025.)	:	1,08,05,094.60M ³
(f)	Total OB removed till 30.09.2025	:	303.02 MM ³ .
(g)	Total Area of External Dump	:	10.80 Ha.
(h)	Total volume of External Dump	:	1.96 M M ³
(i)	Total Excavated Area/ Broken Area (Up to 30.09.2025)	:	688.58 Ha.
(j)	Total Backfilled Area (Up to 30.09.2025)	:	426.08 Ha.
(k)	Total De-Coaled Area (Up to 30.09.2025)	:	444.78 Ha.
(l)	Total Biologically reclaimed in Backfilled Area as on 30.09.2025	:	160.5 Ha.
(m)	Total Biologically reclaimed in External Dump	:	10.80 Ha.

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COMPLIANCE STATUS OF THE ENVIRONMENTAL CLEARANCE CONDITIONS

NAME OF THE PROJECT: ANANTA OPEN CAST EXPANSION PROJECT PHASE III

EC No. AND DATE No.J-11015/397/2008-IA-II (M) DATED 15/03/2025

PERIOD: April 2025 to September 2025

Specific Conditions:-

SN.	EC Conditions	Compliance Status
1.1	Mining shall be restricted to only 1214.49ha, against the land of 1482.171 ha in possession of the project proponent.	Agreed to comply. Mining operation shall be restricted to 1214.49 Ha only.
1.2	The 48 nos of families/persons, which are to be compensated or provided employment, as per the R&R Plan, shall be completed. Compliance status in this regard shall be submitted to the concerned Regional Office of MoEF&CC along with the six monthly compliance report.	The compensation or providing employment to 48 nos of families are under process. The details of R& R status of Ananta OCP is provided in a separate sheet
1.3	Project Proponent shall divert the Bangaru Stream only after obtaining the necessary permission from the state Irrigation Department. All the recommendations of the Ecological Study, Hydrological Study and the Bio-Remediation Study, being carried out by NIH Roorkee, shall be complied with and the compliance of the same shall be submitted along with the six-monthly report to Ministry's RO. Budgetary provision for the compliance of the same shall be separately maintained.	Agreed to comply. A request for permission to divert the Bangaru stream has been submitted to the Water Resources Department and the proposal for diversion is under process. National Institute of Hydrology, Roorkee has conducted Ecological and hydrological study of Bangaru stream. All the recommendations of the Ecological Study, Hydrological Study and the Bio-Remediation Study, carried out by NIH Roorkee, will be complied with. Copy of Report is enclosed.
1.4	Project Proponent shall install 2 additional CAAQMS by November 2025 in addition to already 1 existing CAAQMS in the buffer zone. One of the additional CAAQMS shall be installed in the Core zone and another additional CAAQMS shall be installed in the buffer zone	Being complied. One number CAAQMS has already been installed. Tender has been floated for additional 2 nos CAAQMS for an estimated value of Rs. 2,20,92,308 and will be installed by January'2026 in core zone and buffer zone of project..



	.Compliance of the same shall be submitted along with the six monthly report to Ministry's RO.	
1.5	Project proponent shall rejuvenate the identified 10nos. of water bodies within 2km of project area. Compliance of the same shall be submitted along with the six monthly compliance report to the Ministry's RO.	<p>Being complied.</p> <p>A letter in this regard has been submitted to Sub Collector, Talcher vide no.MCL/GM/JA/CSR/2024/299 dated 04.12.2024. Another letter vide no. MCL/GM(JA)/CSR./2025-26/188 dated 19.11.2025 has also been submitted to sub collector, Talcher.</p> <p>10 Nos traditional water bodies have been identified in 2km buffer zone and Sub Collector Talcher has been requested vide letter dtd 04.12.2024, 19.11.2025 to submit NOC and estimate for taking up the rejuvenation work in the 10 traditional water bodies. Reply is awaited from the Sub Collector, Talcher</p>
1.6	Total water requirement for the proposed project is 3823.09 KLD and the same shall be met from groundwater and surface water. PP shall obtain requisite NoC for withdrawal of 1353KLD of Ground water(as proposed) from CGWA prior to the commencement of expansion mining operations.	<p>Complied.</p> <p>NOC has been obtained for withdrawal of 1354 KLD of Ground water from CGWA vide letter no. CGWA/ NOC/ MIN/REN/1 /2025/ 11297 dated 02/04/2025. Further, application has been submitted for renewal of NOC for further period.</p>
1.7	Plantation shall be carried out in total 939.39ha, which shall include the safety zone and greenbelt, backfilled area, avenue plantation and area around buildings and infrastructure, as per the plan submitted by the PP. Along with this avenue plantation shall be carried out in the 1.5 km stretch of conveyor belt in the FY 2025-26 itself and the bamboo plantation as proposed by the PP shall be done in 16 ha of slopes of	<p>Being complied.</p> <p>The green belt has been developed within and outside the mine premises. Progressive plantation over Internal OB dumps after technical reclamation is being carried out through Odisha State Forest Department, DFO Angul & Chhattisgarh Van Vikas Nigam Limited.</p> <p>The details of progressive plantation activities carried out inside and outside the mine lease area as on March'2025 is as follows:</p>

OB dump during the two year period of 2025-2027. The overall budget proposed for the plantation Rs.237.03Lakhs shall be maintained in a separate account.50.000(Fifty thousand) no. of plant saplings per annum will be distributed to villagers as part of the mission GREEN initiative of Ministry of coal. Compliance of the plantation activities shall be submitted along with the six monthly compliance reports.

- i. 98.20 Ha with total 245500 Nos of plants over Internal OB dump area has been planted.
- ii. 58000 nos. plantation been completed on 23.20 Ha on OB dump with mine lease area (external OB dump)
- iii. Block plantation-2.34 Ha. - 5850 nos. has been done in residential colony
- iv. Plantation around Dera village- 10 Ha./16000 Nos.
- v. Avenue plantation on 27.64 Ha. With 44224 nos. plants along approach roads, public roads and transportation roads were carried out.
- vi. Safety Zone Plantation all along the mine lease area = 7.5 Ha.(12000 Nos.)
- vii. Further, 3.0 ha of internal OB dump has been developed as medicinal garden.

During 2025-26 up to Sep'2025 Plantation with 35200 nos. saplings over 22.0 ha of Internal OB dump and plantation of 37,800 nos. saplings over 14 ha in government land at different villages in outside mine lease area has been taken up through DFO, Angul.

Avenue plantation in the 1.5 km stretch along conveyor belt has been carried out with 500 Nos. saplings during 2025-26

Bamboo saplings over OB dump slope will be carried out during 2026-27.

Furthermore, 50000 nos. of fruit bearing saplings have been distributed to villagers, School children, SHGs etc. of surrounding villages, as part of the mission

		<p>GREEN initiative of Ministry of coal for which an amount of Rs. 19,67,241.37 has been spent.</p> <p>Total 939.39 Ha (within mine lease) will be covered with plantation/ grassing at the end of the mine life in a phased manner. An amount of Rs 70.0 Cr has been kept under development of greenbelt/plantation.</p>																												
1.8	<p>The budget proposed for PH (for next 4 years) is Rs 241.40 Lakhs. The budget proposed shall be kept in a separate account. Project proponent shall implement the action plan to address the issues raised during public hearing within the stipulated time frame. PP shall submit the progress report regarding the implementation of action plan to concerned RO along with the six-monthly compliance report. PP shall strengthen the existing Primary Health Centre (PHC) & Community Health Centre (CHC) in the study area for better public health. Compliance status in this regard shall be submitted along with the six-monthly compliance to the concerned Regional Office of MoEF&CC.</p>	<p>Being Complied.</p> <p>The issue raised during Public Hearing: -</p> <ul style="list-style-type: none"> • Portable water supply to nearby village. • Free medical camps in nearby villages • Adequate plantation on waste land • Water sprinkling on haul roads. • Road sale trucks are covered with tarpaulin • Mine drainage water shall be completely re-used for mining & plantation purpose <p>Regular medical camps are being conducted in the nearby villages. Strengthening of the existing Primary Health Centre (PHC) & Community Health Centre (CHC) in nearby villages will be carried out in 2025-26.</p> <p>Details of health camp organized are as follows:</p> <table border="1" data-bbox="885 1377 1526 2027"> <thead> <tr> <th>Year</th> <th>Month</th> <th>Expenditure (Rs)</th> <th>village</th> </tr> </thead> <tbody> <tr> <td>2023-24</td> <td>October</td> <td>80,000.00</td> <td>Arakhapal</td> </tr> <tr> <td>2024-25</td> <td>February</td> <td>30,000.00</td> <td>Tentulei</td> </tr> <tr> <td>2025-26</td> <td>May</td> <td>30,000.00</td> <td>FCI</td> </tr> <tr> <td></td> <td>JULY</td> <td>35000.00</td> <td>Ghantapada</td> </tr> <tr> <td></td> <td>August</td> <td>35000.00</td> <td>Kandhabereni, Hilo</td> </tr> <tr> <td></td> <td>September</td> <td>35000.00</td> <td>Radharamanpur</td> </tr> </tbody> </table>	Year	Month	Expenditure (Rs)	village	2023-24	October	80,000.00	Arakhapal	2024-25	February	30,000.00	Tentulei	2025-26	May	30,000.00	FCI		JULY	35000.00	Ghantapada		August	35000.00	Kandhabereni, Hilo		September	35000.00	Radharamanpur
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		October	35000.00	Ekdal
		November	35000.00	Bidyadharpur
		Total	3,15,000.00	
1.9	Conveyor Belt under construction shall be commissioned by June 2025, as committed by the PP and thereafter, no road transportation of coal will be allowed.	Being complied. Construction of conveyor belt is under commissioning process. Due to delay in contractual operation, the commissioning shall be completed by Feb'2026. Plantation along conveyor belt in 1.5 km has been taken place. Road transportation within mine lease area will be reduced		
1.10	Project proponent shall implement the protective measure proposed in Environment Management Plan (EMP) in a time bound manner. The budget earmarked for the same is Rs 4475.00 lakhs (Capital) and Rs 1787.49 lakhs (recurring) and should be kept in separate accounts and audited annually. The implement status along with the amount spent with documentary proof shall be submitted to the concerned Regional office for the activities carried out during the previous year.	Being complied. Expenditure incurred against the environment control measures is Rs.10.28 Cr and Rs. 4.51 Cr. Copy of Work orders are enclosed.		
1.11	Hon'ble Supreme Court in an writ Petition (s) Civil No.114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8 th 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 operation, 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	Agreed to comply.		

	activity is over at the cost of the mining lease holder/Project Proponent." The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.	
1.12	Project proponent 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.	Being complied. A proposal has been initiated for establishment of in-house laboratory for an amount of Rs. 32,34,317.88 and it will be completed by March'2026. The Laboratory will be in operation under supervision of dedicated team of environment management of Project and CMPDIL.
1.13	Project proponent shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministry's OM dated 18/07/2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP.	Agreed to comply
1.14	Water shed / Natural drainage shall be carefully managed so that flow of	Complied. Garland drains and catch drain along the OB dumps and mine boundary as per the



	water should go down side in the main streams/Nallah.	requirement wherever required have been arranged to divert the runoff into mine sumps. Natural drainages in non-disturbed area are managed to flow the water into mainstream.
1.15	Project proponent shall carry out Occupation Health study by the Central Institute of Mining and Fuel Research (CIMFR) to aware the employees, preventing injury, and reducing the health issues in the workplace .All the recommendations of the study shall be complied by the proponent and project for next phase of expansion shall be submitted only after the compliance of the same.	Agreed to comply. Being Complied. A work order vide MCL/GM(JA)/Safety/AOCP/2025-26/986 dtd. 25.11.2025 has been issued to CIMFR, Dhanbad for an amount of Rs. 42 Lakhs to take up the study and the report will be submitted by Mar'2026. Copy of Work Order enclosed.
1.16	Third-party audit (by NEERI/CIMFR/IIT/NITs) for air & water quality shall be carried out annually to keep a check on the same. PP shall implement the recommendations of the audit and submit the outcome of the audit to the concerned RO of MoEF&CC.	Agreed to comply. Third-party audit will be carried out annually regarding air and water quality. All the recommendations of the audit will be implemented, and the outcome of the audit will be submitted to the concerned RO of MoEF&CC.
1.17	Project proponent is advised to implement the 'EK Ped Maa Ke Naam' Campaign which was launched on 5 th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than green belt development. The action in this regard shall be submitted to concerned RO in six monthly reports.	Agreed to comply. Plantation drive under the Campaign 'EK Ped Maa Ke Naam' was taken up in the mine and in the surrounding villages through SHGs and school children. 12,980 Nos. plants were planted under the campaign. Further, 50000 nos. of fruit bearing plants have been distributed in nearby villages with an amount of Rs. 19.67 lakhs

1. Statutory Compliance

E C conditions	Compliance status
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1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High courts, NGT and any other Court of Law, from time to time, and applicable to the project.	Agreed to abide to all the orders of Hon'ble Supreme Court of India, Hon'ble High courts, NGT and any other Court of Law, from time to time, as applicable to the project.
1.2	The project proponent shall obtain clearance from the National Board for wildlife, if applicable.;	Not applicable to Ananta OCP
1.3	Solid /hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules,2016	Being complied. Solid /hazardous waste generated in the mines are being dealt with in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016. Authorization Order has been obtained from OSPCB which is valid up to 31.03.2026.
1.4	The maximum production at any given time shall not exceed the limit as prescribed in the EC.	Agreed for compliance. The maximum production at any given time will not exceed the limit as prescribed in the EC.
1.5	Validity of Environment Clearance is as per life of the mine mentioned in EC letter or 30 years as per EIA Notification, 2006 and amendments therein.	Agreed for compliance.

2. Air Quality Monitoring And Mitigation Measure

	E C conditions	Compliance status
2.1	Project proponent shall obtain requisite consent from State Pollution Control Board for 24 MTPA coal mining.	Complied. CTO has been obtained from SPCB, Odisha for 24 MTPA vide letter no. 7713/IND-I-CON-1217 dated 15.04.2025 with validity up to 31.03.2026
2.2	Adequate ambient air quality monitoring Stations shall be established in the	Complied. Six nos. of Ambient Air Quality Monitoring Stations have been established in consultation with

	<p>core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, So₂ & NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board.</p>	<p>Regional Office SPCB Angul in core as well as buffer zone of mine. Monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x are being done by CMPDIL. Monitoring report is enclosed.</p>
2.3	<p>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>	<p>Being complied. The Ambient Air Quality is being monitored fortnightly in the core zone as per 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 are being regularly reported to the Ministry/Regional Office and to the CPCB/SPCB. Copy of monitoring data of last six months is enclosed.</p>
2.4	<p>Effective control measures such as regular water sprinkling/rain gun /Fog cannon/mist sprinkling etc, shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/ unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall</p>	<p>Complied. Regular water sprinkling is being done in critical areas prone to air pollution such as coal face, OB face, Stock yards and railway siding etc. by deploying Mobile water tankers, Mobile Fog Cannons, Static Fog cannons, Road Sweepers etc. The following control measures have been implemented for effective dust control.</p> <ol style="list-style-type: none"> 1. 3 Nos Mobile fog cannons at CT Road, CO and OB face and Stock Yards. 2. 06 Nos static Fog cannons and 4 Nos Rain gun sprinklers at Railway siding 3. 01 No Mechanical road Sweeper over internal CT roads and Coal corridor road and approach roads

	be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	<ol style="list-style-type: none"> 4. 6 nos. of 28 KL water sprinklers and 10 nos. of 20 KL water sprinklers for haul road and internal CT roads 5. 295 Mtr of Wind Barrier system around Coal stock yard 6. 576 meters of Vertical greenery system at Railway siding
2.5	Major approach roads shall be black topped and properly maintained.	Complied. Total length of 5.20 Km of approach roads has been concreted and maintained properly.
2.6	Vehicular emission 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 centre.	Being Complied. All the vehicles plying in the mine premises carries valid PUC certificate issued by authorized pollution testing center and are renewed on regular basis.
2.7	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.	Being complied. Wind barrier of length 295 m and height 4 mtr has been installed at 3 different locations of coal stock yards. Additional 1.62 KM length and 9 mtr. height of wind barrier system will be installed by March'2026. The activity is under tendering stage.
3. Water Quality Monitoring And Mitigation Measures		
S.N	EC Conditions	Compliance Status
3.1	PP shall take approval from the CGWA/Competent Authority prior to commencement of mining operations.	Complied. Approval has been taken from CGWA vide letter no. CGWA/ NOC/ MIN/REN/1 /2025/ 11297 dated 02/04/2025.
3.2	The effluent discharge (mine wastewater, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act,1974 Coal Industry Standards vide GSR742(E) dated 25 th September 2000 and as	Complied. The mine water and effluent from workshop are being monitored regularly through CMPDIL as per the standards prescribed by CPCB. An ETP of 140 KLD capacity has been installed at workshop for treatment of workshop effluent. Treated effluent is being reused for vehicle washing in the workshop. The mine water including surface runoff from the mine lease area is channelized into the mine sumps

	amended from time to time by the Central Pollution Control Board .	and a settling tank is also provided for treatment of mine wastewater. Monitoring report of treated water is enclosed.
3.3	The monitoring data shall be uploaded on the company's website displayed at the project site at a suitable location. The circular No..J-20012/1/2006-IA.11(M)dated 27 th May 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Complied. The monitoring data is being uploaded on the company's website. (https://www.mahanadicoal.in/Environment/eenvironment.php)
3.4	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low-lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity Shall also provide adequate retention period to allow proper settling of silt material of the surface runoff.	Complied. Adequate catch drains with appropriate size have been provided all along the internal coal transportation roads and haul roads and channelized to mine voids/ sumps to arrest silt and sediment flows from soil, OB and mineral dumps. The sumps and drains have been provided to cater 160 mm of maximum rain in a day and cleaning and de-silting of drains are carried out regularly as part of monsoon cleaning drive in the mine. The settled water from the mine sumps is being re-used for dust suppression, firefighting and plantation purposes.
3.5	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.	Being Complied. The water from mine is being collected in Mine sumps. The settled water from the mine sumps is being re-used for dust suppression, firefighting and plantation purposes. de-silting of drains are carried out regularly as part of monsoon cleaning drive in the mine

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3.6	<p>Industrial wastewater from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic wastewater.</p>	<p>Complied.</p> <p>production of coal was being done through surface miner, which is very less polluting mechanism. Around 100% of total coal production is being done through surface miners. Presently no coal is crushed in CHP and 08 nos. of fixed sprinklers, and 10 nos. of misters have been provided in CHP. Also, one fog Cannon machine is installed at CHP for dust Suppression.</p> <p>Wastewater including runoff water from coal handling plant area and mine water is being channelized into mine sumps. An ETP (of capacity 140 KLD) with oil & grease trap has been installed at workshop. Sewage treatment plant of 0.51MLD capacity has been installed for treatment of domestic wastewater at Ananta Vihar Colony. Monitoring report of effluent is enclosed.</p>
3.7	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet /pond /lake etc., with impact of mining activities on it, and implement by the project proponent. The surface drainage plan and/or any diversion of natural water course shall be as per the provision of the approved Mining plan/EIA-EMP Submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent</p>	<p>Being complied.</p> <p>The Surface drainage plan/ Monsoon preparation plan has been prepared and implemented in the mine as per the approved Mine plan and DGMS guidelines. Earthen bund embankment has been made within the ML area adjacent to the Bangaru Nallah. Stone pitching on the Nallah front side of the embankment is being made to withstand the peak water flow and prevent mine inundation and presently, more than 60 meters horizontal distance from either bank of Nallah has been kept for safety.</p>



	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.	
3.8	The project proponent shall take all precautionary measures to ensure reverie/riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation/water resource department in the state government.	Agreed to comply. The lease area is bounded by mining leases of Jagannath OCP, Bhubaneswari OCP on all directions. However, the area is primarily drained by a stream namely Bangarunallah located adjacent north of the mining lease. Mound/embankment (dimensions of 600 m (Length) X 2.00 m (width) X 3.00 m (Height), from earthen material with stone pitching towards the nallah side has been completed. Monsoon plan is prepared every year to assess the dangers due to inundation.
3.9	Industrial effluent and domestic wastewater shall be treated in the Effluent treatment plant (ETP) and Sewage Treatment plant (STP).After treatment, treated water shall be reused for plantation.	Complied. An ETP of capacity 140 KLD has been installed at workshop to treat workshop effluent. Treated effluent is reused for washing of vehicles. Sewage treatment plant of 0.51MLD capacity has been installed for treatment of domestic wastewater at Ananta Vihar Colony. The treated water is reused for plantation purpose.
4.	Noise And Vibration Monitoring and Prevention	
SL No.	EC conditions	Compliance status
4.1	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	Complied. Adequate measures are being taken for control of noise levels in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc are provided with personal protective equipment (PPE) like ear Plugs/muffs. Noise levels are also monitored periodically and are within prescribed norms. PPE provided during April 2025 to Sept'2025 is as follows: 1.Mining shoes---550 pairs 2.Gumboot---230 pairs 3.Dust mask—150 nos.

	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.	4. Fluroscnet jacket—315 nos. 5. Helmet---380 nos.
4.2	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.	Complied. The noise level survey is being carried out periodically by CMPDIL and report in this regard is being submitted to the Ministry/RO on six-monthly basis.
5. Mining plan		
SL No.	EC Conditions	Compliance Status
5.1	Project proponent shall obtain star rating as per the guidelines of Ministry of Coal.	Complied. Ananta OCP has been awarded 5 star for the FY 2024-25 and further star rating for FY 2025-26 will be obtained as per the guidelines of Ministry of Coal.
5.2	Mining shall be carried out under strict adherence to provision of the Mine Act 1952 and subordinate legislation made there-under as applicable.	Agreed to comply.
5.3	No change in mining method, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed to comply. There will be no change in mining methods, calendar program and scope of work without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
5.4	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by	Agreed to comply. Mining is being carried out as per approved mining plan and abiding by relevant laws related to coal mining and the circulars issued by DGMS.

	mining laws related to coal mining and relevant circulars issued by Directorate General Mines Safety (DGMS).	
5.5	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Being complied. All halogen and fluorescent lamps in the mines have been replaced with energy efficient LED lighting fixtures. Energy efficient pumps are also used. Total 80 nos. of 1000 watt, 450 nos. of 400 watt and 600 nos. of 200 watt to 250 watt LED lights are installed in mines and in Ananta Vihar colony to conserve the energy.
6.	Land Reclamation	
	EC Conditions	Compliance Status
6.1	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 , For est. and Climate Change (MOEFCC) From time to time shall be submitted to MOEFCC/Regional Office (RO).	Complied. The digital survey of entire lease hold area/core zone using satellite remote sensing survey has been completed & the report has been submitted to this office. The reports are also uploaded in MCL website (https://www.mahanadicoal.in/Environment/environment.php)
6.2	The final mine void depth should preferably be as per the approved Mine Colures Plan ,and in case it exceeds 40m ,adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and cover with thick and alive top soil	Assured to Comply Ananta OCP is a running mine. The final mine void depth shall be as per the approved Mine Colures Plan.

	<p>Post mining 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.</p>	
6.3	<p>The entire excavated area, back fling, 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-à-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.</p>	<p>Agreed to comply. The excavated area, backfilling area and afforestation is being carried out as per Mining Plan and the EIA/EMP. The progressive status of backfilling and afforestation is regularly submitted to Regional Office, MoEF&CC. The status of progressive backfilling as on 30th Sep’2025 is as follows. Total excavated Area – 688.58 ha Total backfilled area – 426.58 ha Total area technically reclaimed – 164 ha Total afforestation on external OB dump inside ML area – 23.20 ha Total afforestation area over internal OB dump– 155.34 ha.</p>
6.4	<p>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</p>	<p>Agreed to comply. It is to submit that as with the progress made in the mining activities, the topsoil generated is being stored at an earmarked area, 2.0 ha of land and this soil is subsequently spread over the technically reclaimed dump for biological reclamation 545055.6 m³ of topsoil is stored separately as on 30th Sep’2025.</p>

	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.	
6.5	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.	Complied. Ananta OCP is a running mine. No grazing land is involved in the core zone.

7. Public Hearing and Human Health Issues		
	EC Conditions	Compliance Status
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Complied. Adequate illumination is ensured as per DGMS standards.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project	Complied. periodical occupational health surveillance program of the workers is being undertaken regularly at Occupational



	and maintain records according as per the provisions of the Mines Rules 1995 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 disease and hearing impairment, if any, as amended from time to time.	health checkup center established at company's hospital near Dera with ILO certified designated medical officers. As reported by the PP, Health checkup for occupational diseases and hearing impairment is being undertaken once in every 03 years for all the workers. and all the outsourcing employees will undertake initial medical examination (IME). Details of PME carried out during last 03 years. <ul style="list-style-type: none"> • 2022-23 =333 • 2023-24 = 353 • 2024-25 =550 • 2025-26 =210 (up to Sep'2025)
7.3	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.	Complied. Workers engaged in activities like blasting, drilling and operation of HEMM etc. are provided with ear plugs/muffs, dust mask and other PPEs. During 2025-26 total 255 ear plugs/muffs and 150 nos. dust mask are provided till Sep'2025 in 2025-26 and all the personnel working in dusty area are being imparted with adequate training and information on safety and health aspects. It was reported by PP that during 2025-26 till Sep'2025, total 141 -Departmental and 395 outsourcing workers have undergone training.
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.	Being complied. All the personnel working in dusty area are being imparted with adequate training and information on safety and health aspects. It was reported by PP that during 2025-26 till Sep'2025, total 141 -Departmental and 395 outsourcing workers have undergone training.
7.5	Effective arrangements shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	Complied. Wholesome drinking water of sufficient quantity is provided at suitable locations of working places like Time Office, Workshop, Siding Office etc. for all the working personnel in the mine
7.6	The project proponent shall follow the mitigation measures provided in the	Being complied.

	Ministry's OM No.Z11013/5712014-IA.II(M) dated 29 th October, 2014 ,titled 'Impact of mining activates 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.'	The mitigation measures and control measure are being implemented in the habitations and villages surrounded by the mine lease area.
8.	Corporate Environment Responsibility	
	EC Conditions	Compliance Status
8.1	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.	Complied. The company has a well laid down Environment policy approved by the Board of Directors. Corporate Environment Policy 2018 of CIL was approved in the 377th CIL Board meeting held on 20-12-2018 and MCL was approved in the 214th MCL Board meeting held on 18-04-2019. The environment policy is also available on the company's website.
8.2	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.	Complied. Environment management cells are established at Project and Area level. Detail of environment cell at Area/ Project level is as follows. Area Level: 1. Area General Manager 2. Staff Officer (Envt.) 3. Staff Officer (Civil) 4. Staff Officer (E&M) 5. Area Survey Officer. Project Level: 1. Project Officer 2. Project Environment Officer 3. Project Engineer (Civil) 4. Project Engineer (E&M)

		5. Survey Officer
9.	Miscellaneous	
	EC Conditions	Compliance Status
9.1	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.	Complied. The environmental clearance letter has been published in two local newspapers. The date and the name of the Newspaper on which the E C letter has been published are as follows. 1.Dharitri(Odia) on 24.05.2025 2.The New Indian Express on 24.05.2025 The environmental clearance letter has been reflected in the company website.
9.2	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.	Complied. The copies of the environmental clearance have been submitted to Heads of local bodies, Panchayats and Municipal Bodies.
9.3	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 basic.	Complied. The status of compliance of the stipulated environment clearance conditions, including results of monitored data are being uploaded on company's website (www.mcl.gov.in) and are being updated regularly.
9.4	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.	Agreed to comply. The status of the compliance of the stipulated environmental conditions will be submitted on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.

9.5	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	It is an ongoing mining project. All the information has already been given to Regional Office of the MOEF&CC regarding commencement of mining operations.
9.6	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the state Government.	Agreed to comply. All the stipulations made by the State Pollution Control Board and the state Government shall be strictly followed.
9.7	The project proponent shall abide by 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.	Agreed to comply. All the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and that during presentation to the Expert Appraisal Committee will be strictly complied.
9.8	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Agreed to comply. There will be no further expansion or modifications in the plant without prior approval of the Ministry of Environment, Forests and Climate Change.
9.9	Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provision of Environment (protection) Act, 1986.	Agreed to comply.
9.10	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed to comply.
9.11	The Ministry reserves the right to stipulate additional condition if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed to comply.
9.12	The Regional office of this Ministry shall monitor compliance of the stipulated conditions. The project	Agreed to comply. The project authorities will always extend full cooperation to the officer(s)



	authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	of the Regional Office and the requisite data/information/monitoring reports shall also be furnished to Regional Office.
9.13	The above conditions shall be enforced, inter-alia under the provision 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 Trans-boundary 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 court and any other of Law relating to the subject matter.	Agreed to comply.
9.14	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.	Complied. The environmental statement in form V for each financial year is being submitted annually to SPCB and the same is uploaded on company's website.

Qmv
30/11/25
Envt. Officer

Ananta OCP

A
30/11/25
GM(Mining)/ Project officer

Ananta OCP
Project Officer
Ananta OCP (PA) MCL

REPORT- I
 MINISTRY OF ENVIRONMENT FOREST & CC
 REGIONAL OFFICE BHUBANESWAR
 MONITORING PROFORMA PART-I (DATA SHEET)

1	Project type: River-Valley/Mining Industry/ Thermal/Nuclear/Other (Specify)	: MINING INDUSTRY
2	Name of the Project	: Ananta Expansion Project Phase III
3	Clearance letter(s) OM No.& Dated	: No.J-11015/397/2008-IA.II(M) dated 15.03.2025
4	Location:	
	(a) District	Angul
	(b) State	Odisha
	(c) Latitudes/Langitudes	Latitudes -20 ⁰ 57' 16'' to 21 ⁰ 00' 00'' N Langitudes-85 ⁰ 07' 14'' to 85 ⁰ 09' 09'' E
5	Address of Correspondence	
Addre. p	a. Address of concerned head of organization (with pin code & Telephone/Telex/Fax numbers)	Nandadi Coalfields Limited At/Po-Jagruti Vihar ,Burla Dist.-Sambalpur,Odisha-768020 Phone no.-06632542084
	b. Address of head of project (with pin code & Telephone/Telex/Fax numbers,E-mail ID)	Project Officer, Ananta Opencast Project PO- Dera Colliery, Talcher Dist: Angul, Odisha, Pin : 759103 Phone- 06760-269510 (O) E mail ID- poananta1@gmail.com
6	Salient Features	
	a.Of the Project;	It is an Opencast Project of 24 MTPA, Coal is extracted by using Surface Miner. OB is removed by drilling and blasting, blasted material is extracted by using shovel dumper combination. Coal is transported by contractual tipper.
	(b) Of the Environment Management plans	EMP has been approved and compliance is being done as per EMP
7	Breakup of the Project Area	Total Area - 1214.49 Ha Forest area - 334.362 Ha Non forest area - 880.128 Ha
8	Breakup of the Project affected population	2000

(Ques)

	Village wise details along with R &R packages to be given.	
	Number of oustees	908
	Homestead	781
	Land oustees	908
	Landless/Artisans	NIL
	SC/ST/Adivasi	116/16
	Others	
9	Financial Details	
	a) Project cost as originally planned and subsequent the years of price reference	: Rs. 860.15s Crore (As per revised estimates and Expansion Project)
	b) Allocation made for environmental management Plans, with item wise and Year wise break-up.	: Rs. 4475 lakhs
	c) Benefit cost ratio/internal rate of return and the year of assessment.	-
	d) Whether(c) includes the cost of Environmental Management as Shown in (b) above.	: YES
	e) Actual expenditure incurred on the Eenvt. Management plans so far	148.152 cr

10	Status of construction: Date of commencement (actual and / or planned).	10th October 1988
	b) Date of completion (actual and/or planned)	Ongoing project
	c) Date of commissioning	10 th October 1988

11	Project process details	NA
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	1.Engineering and other project components	
	Date of construction	NA
	Date of completion	NA
	Date of commissioning	NA
	2.Environmental management and pollution control components	Air, Water and Noise

Bhargava

REPORT-II
PROFORMA FOR PROVIDING INFORMATION ON REHABILITATION

1.	Nos. of Village Affected	11 nos..
2.	Families affected	908
	SC	116
	ST	16
	OTHERS	776
	TOTAL	908
3.	Compensation package offered	Total Compensation Rs.126,81,87,610.00
	As per State Government R& R Policy	
4.	Budget estimate for Rehabilitation	
4.(a)	Total Outlay	216.52 Lakhs
4 (b)	Amount paid/used(under R & R head)	7, 16, 50,295.10
5.	Employment Details	
a.	Total employment to be provided	718
b.	Employment given so far	574
6.	Rehabilitation & Resettlement Details	
a.	No. of families rehabilitated.	781
i	Name of Site	Self-relocated
ii	Families rehabilitated (Resettlement)	236
	SC	80
	ST	05
	OTHERS	151
	TOTAL	236
b.	Families yet to be rehabilitated	545
I	Name of Site(s)	Self-relocated
ii	No. of Families	545
	SC	36
	ST	11
	Other	498
	Total	545
7.	Any other information	---



MINISTRY OF ENVIRONMENT, FOREST & CC
EASTERN REGIONAL OFFICE
A/3 Chandrasekharapur, Bhubaneswar -751 023

FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/
PLANTATION UNDER FC ACT 1980 AND E (P) ACT 1986.

1(a)	Name of the Project	Ananta Expansion Project Phase III
(b)	Envt. /Forest clearance Order No.	EC-No.J-11015/397/2008-IA.II(M)dated 15.03.2025 Forest Clearance:- Phase- I (31.02 ha.) vide No.8-144/89-FC,28 th Sep.1990 Phase - II (62.67 ha.)- vide No.8-43/2004 FC,16 th /9 th Nov.2004 Phase-III- 240.672 Ha Vide-No-F.NO-8-37/2015-FC, Dt.18.05.2018
2.	Location, Block/Sub Divn. /Dist./State	Dist: Angul, Block: Talcher, Odisha Latitudes -20 ^o 57' 16'' to 21 ^o 00' 00'' N Langitudes-85 ^o 07' 14'' to 85 ^o 09' 09'' E
3.	Address for communication	Ananta Opencast Project, PO- Dera Colliery, Talcher, Dist- Angul, Odisha, 759103
4.	Existing vegetation in the area/region	
(a)	Species(Trees/shurbs/grass /climber)	Mango,Sal,Mahul,Asana,Char,Dhaura,Kendu,Bahad a,Rohani,Karanj etc
(b)	Major prevalent species of each type	Mango,Sal,Mahul,Asana,Char,Dhaura,Kendu,Bahad a,Rohani,Karanj etc
5.	Land coverage by the Project.	
(a)	Total area under the Project	1214.49 Ha
(b)	Area covered for basic infrastructure: (Roads)/building /factory etc.)	90 Ha
6.	Details about natural vegetation	
(a)	Name and number of trees/species felled	Mango,Sal,Mahul,Asana,Char,Dhaura,Kendu,Bahad a,Rohani,Karanj etc. No. of trees felled---17782 nos



(b)	Name and number of plant/spices still available in the area	Mango,Sal,Mahul,Asana,Char,Dhaura,Kendu,Bahad a,Rohani,Karanj etc
(c)	By protecting the area will Indigenous stock comes up?	Yes
(d)	Extent of green belt developed as on 31.05.2025	Green belt has already developed along the mine boundary over 7.5 ha (Safety Zone of 7.5 mtrs.strip) Total nos. of trees planted =426550 nos. for development of green belt
7.	Plantations required to be carried out	
(a)	Conditions of Environmental Clearance / in Ha. / Nos.	2500Nos. /Ha.
(b)	Conditions of Forest Act (c) clearance.	Double the area of forest land used for non-forestry purposes.
(b)	Voluntarily in ha. /nos	2500 nos. per Ha.

8. Details about Plantation:-

Total area available for plantation in each category for FY 2025-26

Green Belt	Dumps	Backfilled Area	Road Sides	Block Plantation	Remarks slope Plantation
	22 Ha		8 RKM		

(b) Plantation details. (Category wise and Methodology used):

Year of Plantation	Species planted	Spacing	Total area covered			Remarks
			OB Dump in Ha	RKM	Vacant in Ha	
1991-92	Acacia, Sisso etc	2X2 mtrs	5.8	-	-	5.08 Includes Ext. Dump
1993-94	Mixed Plantation	2X2 mtrs	7.6	-	-	5.0 Includes Ext. Dump
1995-96	Mixed Plantation	2X2 mtrs	5.0	-	-	Internal OB dump
1996-97	Mixed plantation	2X2 mtrs	8.0	-	-	-do-



1997-98	Mixed plantation	2X2 mtrs	10.6	3	-	Internal OB dump & Road side
1998-99	Mixed plantation	2X2 mtrs	1.8	5	-	Internal OB dump & Colony
1999-2000	Mixed plantation	2X2 mtrs	0.6	12	-	Internal OB dump & Road side
2000-01	Mixed Plantation	2X2 mtrs	2.5	2.64	-	-do-
2001-2002	do	2X2 mtrs	4.1	-	-	Internal OB dump
2002-2003	do	2X2 mtrs	3.0	-	-	-do-
2004-2005	do	2X2 mtrs	3.0	-	-	-do-
2005-2006	do	2X2 mtrs	8.0	-	0.84	-do-
2006-2007	do	2X2 mtrs	6.0	-	-	-do-
2008-2009	Mixed Plantation	2X2 mtrs	1.0	-	-	-do-
2009-2010	do	2X2 mtrs	2.0	-	1.5	-do-
2011-2012	Mixed Plantation	2X2 mtrs	2.1	-	-	-do-
2014-2015	Mixed Plantation	2X2 mtrs	5.2	-	-	-do-
2015-2016	Mixed Plantation	2X2 mtrs	19.8	-	-	-do-
2016-2017	Mixed Plantation	2X2 mtrs	5.0	-	-	Backfilled Area
2017-18	Mixed Plantation	2X2 mtrs	4.5	-	-	OB Dumps
2024-25	Mixed Plantation	2X2 mtrs	3	-	-	OB Dumps
2024-25	Mixed Plantation	2X2 mtrs	7.5	-	-	Safety Zone Area
2025-26	Mixed Plantation	2X2 mtrs	22	-	-	OB Dumps

(C) Survival % of Plantation

Sl. No.	Year	Total Plantation (Nos.)	Total Nos. of Survival (Approx)	Total % of Survival (Approx)
1 st year	1991-1992	14500	11600	80
2 nd Year	1992-1993	0		
3 rd year	1993-1994	27000	22410	83
4 th year	1994-1995	0	--	-
5 th year	1995-1996	12500	10250	82

6 th year	1996-1997	20000	16200	81
7 th year	1997-1998	31300	25040	80
8 th year	1998-1999	12500	9375	75
9 th year	1999-2000	20700	16146	78
10 th year	2000-2001	10474	8902	85
11 th year	2001-2002	10250	8610	84
12 th year	2002-2003	7500	6225	83
13 th year	2003-2004	0	-	-
14 th year	2004-2005	7500	6000	80
15 th year	2005-2006	22100	18785	85
16 th year	2006-2007	15000	11850	79
17 th year	2007-2008	0	-	-
18 th year	2008-2009	2500	2000	80
19 th year	2009-2010	8750	7437	85
20 th year	2010-2011	0	-	-
21 st year	2011-2012	5250	4004	76.24
22 nd year	2012-2013	0	-	-
23 rd year	2013-2014	0	-	-
24 th year	2014-2015	13000	10460	80.46
25 th year	2015-2016	49500	-	-
26 th Year	2016-17	12500	11600	92.8
27 th Year	2017-18	12250	10625	85.0
28 th Year	2024-25	16800		93
29 th Year	2025-26	35200		

Qmz

9. Agency carrying out plantation and maintenance : DFO, Angul
OFDC, Angul
CGRVVNL, Bilaspur, Chhattisgarh.

10. Financial details (year wise), Plantation wise and item wise.

SL.N o	Year	Total Expenditure Made (Rs.)	Remarks
1	1996-97	4,75,919.64	
2	1997-98	39,78,828.78	
3	198-99	7,39,783.40	
4	1999-00	14,42,786.45	
5	2000-01	62,53,3935	
6	2001-02	4,11,788.50	
7	2002-03	2,57,928.00	
8	2004-05	8,49,261.60	Scheme not completed, 3 rd year continuing
9.	2005-06	8,93,930.52	Scheme not completed, 2 nd year continuing
10.	2006-07	2,07,719.00,	Scheme just started 40% of 1 st year cost released.
11	2008-09	97,787.84	
12	2009-10	735196.77	
13	2010-11	54902.00	Ongoing scheme
14	2011-12	713597.55	Ongoing scheme
15	2012-13	82897.00	Against 2011-12 plantation scheme
16	2014-15	1042210.00	50% installment of first year
17	2015-16	4322261.00	Ongoing scheme
18	2016-17	801795.00	50% Installment of 1 st Year

Ques

19.	2017-18	1134511.00	50% Installment of 1 st Year
20.	2018-19	964922.52	(JULY 2017 TO JUNE 2018) For 2014-15-, 2015-16,2016-17,2017-18
21.	2018-19	1129560.00	40% Advance bill for 2014-15-,2015-16,2016-17& 2017-18
22	2019-20	1106785.18	1 st year, 2 nd year 3 rd year of 2014-15-,2015-16,2016-17& 2017-18
23	2024-25	11912925.53+484900 4.92(2 nd yr maintenance 2025-26)	Ongoing scheme, 1 st yr(2024-25),2 nd yr(2025-26)
24	2025-26	1,96,48,281.83	Ongoing scheme.1 st yr(2025-26)

11. Inspection of plantation by field experts and their comments and follow up action:
By DFO,Angul.
12. Remarks/any other information:NIL

SITE-WISE PLANTATION OF ANANTA OCP SINCE INCEPTION

Year	OB / BF		Block/Vacant		Avenue		TOTAL	
	Area in Ha.	Nos planted	Area in Ha.	Nos planted	RKM	Nos planted	Area in Ha.	Nos planted
1991-92	5.8	14500		0		0	5.8	14500
1992-93		0		0		0	0	0
1993-94	7.6	19000		0	5	8000	12.6	27000
1994-95		0		0		0	0	0
1995-96	5.0	12500		0		0	5	12500
1996-97	8.0	20000		0		0	8	20000
1997-98	10.6	26500		0	3	4800	13.6	31300
1998-99	1.8	4500		0	5	8000	6.8	12500
1999-2000	0.6	1500		0	12	19200	12.6	20700
2000-01	2.5	6250		0	2.60	4224	5.14	10474
2001-02	4.1	10250		0		0	4.1	10250
2002-03	3.0	7500		0		0	3	7500
2003-04		0		0		0	0	0
2004-05	3.0	7500		0		0	3	7500

Signature

2005-06	8.0	20000	0.84	2100		0	8.84	22100
2006-07	6.0	15000		0		0	6	15000
2007-08	0	0		0		0	0	0
2008-09	1.0	2500		0		0	1	2500
2009-10	2.0	5000	1.5	3750		0	3.5	8750
2010-11		0		0		0	0	0
2011-12	2.1	5250		0		0	2.1	5250
2012-13	0	0		0		0	0	0
2013-14	0	0		0		0	0	0
2014-15	5.2	13000		0		0	5.2	13000
2015-16	19.8	49500		0		0	19.8	49500
2016-17	5.0	12500	-	-	-	-	5.0	13500
2017-18	4.5	11250	-	-	-	-	4.5	12250
2018-19	0	0	-	-	-	-	-	-
2019-20	0	0	-	-	-	-	-	-
2020-21	0	0	-	-	-	-	-	-
2021-22	0	0	-	-	-	-	-	-
2022-23	0	0	-	-	-	-	-	-
2023-24	0	0	-	-	-	-	-	-
2024-25	3	4800	-	-	-	-	3	4800-
	7.5ha(safety zone)	12000					7.5	12000
	10.8ha(external dump)	2700					10.8	2700
2025-26	22 Ha	35200					22	35200
TOTAL	130.6	316000	2.34	5850	27.60	44224	178.84	368774

Ques

MINISTRY OF ENVIRONMENT, FOREST & CC
EASTERN REGIONAL OFFICE
BHUBANESWAR -751 023
MINING DETAILS PROFORMA

1.	STATUS	As per EMP (Ha.)	Actual acquired (Ha.)
	Land details/Land type		
	Tenancy land	255.150	255.150
	Govt. non-forest land	624.978	624.978
	Forest Land	334.362	334.362
	Total Land involve	1214.49	1214.49
	Next date of renewal of forest land Clearance		
2.	Details of Statutory Clearance obtained		
	Approval from IBM		
	Envt. Clearance obtained from MoEF & CC	EC-No.J-11015/397/2008-IA.II(M)dated 15.03.2025	
	NOC from State Pollution Control Board	CTE No.7666/IND-II-CTE-7434 dated 13.04.2025.	
		CTO No.7713/IND-I-CON-1217 dated 15.04.2025	
3.	Mineral & OB Status		
	Life of the project	12 years(as on 01.04.2025)	
	Project of capacity	24MTPA	
4.	Mineral Production Details		
	Total mineral reserve (as per EMP)	299.95 MT	
	Mineral Production last year	19.99 MT	
	Mineral Production current years so far(For September 2025)	1.26 MT	
	Mineral Production during last 6 months(April 2025 to September 2025)	11.36 MT	
	Details of production (year-wise) since 1994 in Tonnes	1994-95	46,29,148.00
		1995-96	53,83,180.00
		1996-97	53,92,745.00
		1997-98	63,76,700.00
		1998-99	66,85,771.00
		1999-2000	70,31,134.72
		2000-2001	76,32,608.51
		2001-2002	70,03,571.91
		2002-2003	78,17,925.58
		2003-2004	94,68,590.32
		2004-2005	74,11,644.99
		2005-2006	91,58,606.81
		2006-2007	122,61,297.45
		2007-2008	128,26,947.62
		2008-2009	125,19,180.88
		2009-2010	128,21,282.51

gms

	2010-2011	117,35,724.96
	2011-2012	99,16,304.53
	2012-2013	89,07,218.38
	2013-2014	75,16,431.98
	2014-2015	105,78,937.12
	2015-2016	58,67,472,86
	2016-2017	29,00,193.71
	2017-2018	41,53,180.22
	2018-2019	82,52,850.00
	2019-2020	109,31,836.67
	2020-2021	88,27,676.28
	2021-2022	135,75,965.71
	2022-2023	1,70,99,640.07
	2023-2024	199,99,998.69
	2024-2025	19999998.88
	2025-2026 (April to Sept.)	11363283.72
	Max. quarry depth (maximum)	265 mtrs
	Present quarry depth (maximum)	170 mtrs
5.	Overburden (OB)	
	Total OB to be removed(as per EMP)	549.08 M Cum
	Total OB removed till last year	292.22 M Cum
	OB removed during last 6 months	10.80 MCum
	Total number of external OB dumps	01
	Total volume of ext. OB dumps	1.96 M Cum
	Total volume of OB to be back-filled (EMP)	549.08 M Cum
	Total area of external OB dumps (active+ dead)	23.20 Ha
	Area of external OB dumps (dead)	23.20 Ha
	Number of dumps (active)	03 nos
	Area of active dumps	175.87 Ha
	External OB dump area (bio-reclaimed)	23.20 Ha
	Total volume of OB to be back filled(EMP)	549.08 Ha
6.	Excavation/Decoaling/Backfilling(UG/OCP as applicable)	
	Total broken area/excavated area	688.58 Ha
	Used forest area (excavation & other purpose)	220.00 Ha
	Broken forest land reclaimed	66.97 Ha
	Back-filling area (bio-reclaimed)-a	160.5 Ha
	Back- filling area (active/tech.reclaimed)-b	426.08 Ha
	Decoaled area to be back-filled-c	18.7 Ha
	Area occupied by CHP ,sump, haul-roads, etc in the decoaled area-d	90 Ha
	Total area of backfilling (a+b)	586.58 Ha
	Total decoaled area (a+b)+c+d	695.28 Ha
	Total volume of backfilling	300.51 M Cum

7.	Plantation /Afforestation/Green Belt	
	Total area of the project	<u>1458.05 Ha</u>
	Break-up of area covered by the project for infrastructure	<u>90 Ha</u>
	Vacant area available for plantation	
	Stipulations made in the statutory clearances	
	(i) Environmental clearance from MoEF	
	(ii) Forest clearance from MoEF	<u>7.5 mtrs of safety zone</u>
	(iii) OSPCB clearance/NOC	<u>Not mentioned</u>
	Plantations/Afforestation done till last year	<u>391350 nos</u>
	Survival rate &Species of trees raised	<u>80 %</u>
	Agency carrying the plantation activities	<u>DFO,OFDC,CGRVVNL</u>
	Area covered by plantations	
	Green Belt raised	<u>178.54 Ha</u>
	Area covered	<u>178.54 Ha</u>
	Number &Name of species of trees planted	<u>391350 nos. local species</u>
8.	Rehabilitation & Resettlement of Project oustees	
	Total number of families affected:	<u>908 nos</u>
	Rehabilitation already completed	<u>758 nos</u>
	Yet to be rehabilitated	<u>150 nos</u>
	Budgetary provision made for rehabilitation	
	Expenditure incurred so far	
9.	Water Balance:	
	Source of water	<u>Rain water,Strata seepage</u>
	Water consumption per day	<u>1354 KLD</u>
	Total quantity of water consumed during the preceding year.	<u>4.89 Lakh Cum</u>
	Total quantity of water discharged	
	Total quantity of water utilized / reused during proceeding year	<u>7.45 Lakh Cum</u>
	Quantity of rain water harvested during	
	(i) proceeding year	<u>6395 CUM</u>
	(ii) current year	<u>3200 CUM</u>
10	Budgetary provisions /Utilisation	
	Total cost of the project	<u>860.15 Crores</u>
	Amount earmarked for Environment Management	<u>4475 lakh</u>
	Details of expenditure incurred on ENV T .Mgt so far	<u>148.152 cr</u>
	Expenditure incurred during the proceeding year	<u>504.62 lakh</u>

Signature

ANNEXURE – IWELL WATER LEVEL MONITORING DATA

Sl. No.	Monitoring Station	Date of Monitoring	Depth from water level (in m. bgl)
1	Ekdal village well	05.08.2025	5.00
2	Joragadia village well	05.08.2025	1.55

ANNEXURE –IIEFFLUENT QUALITY DATA (April-25 to Sept-25)

Monitoring Stations	All dimensions in mg/l unless otherwise stated except pH											
	pH		O&G		TSS		COD		BOD		MPN/100 ml	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Mine Sump	6.70	7.57	<4.0	<4.0	16	31	8	28	-	-	-	-
STP Inlet	6.54	7.03	-	-	29	47	-	-	<2.0	4.1	70	170
STP Outlet	6.50	7.05	-	-	22	38	-	-	<2.0	3.2	46	140
ETP Inlet	6.31	6.84	<4.0	<4.0	29	43	24	36	-	-	-	-
ETP Outlet	6.72	7.74	<4.0	<4.0	17	35	12	28	-	-	-	-

ANNEXURE –IIIAIR QUALITY DATA (April-25 to Sept-25)

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
Sibarampur Village	01-Apr-25	175	71	34	15.44	32.19
	02-Apr-25	186	77	38	12.63	37.97
	07-Apr-25	165	65	32	11.7	37.14
	08-Apr-25	158	63	30	17.33	19.6
	16-Apr-25	180	70	36	17.78	29.62
	17-Apr-25	165	65	31	10.05	21.82
	23-Apr-25	155	60	29	14.32	27.88
	24-Apr-25	175	68	35	9.78	34.5
	29-Apr-25	155	58	28	16	33.72
	30-Apr-25	164	65	32	15.91	37.14
	02-May-25	165	70	34	13.23	39.62
	03-May-25	148	61	29	14.36	30.54
	09-May-25	135	58	27	20.22	21.11
	10-May-25	165	70	33	16	24.06
	16-May-25	131	47	24	15.53	31.28
	17-May-25	143	56	27	16.6	34.41
	23-May-25	152	53	28	22.38	24.52
	24-May-25	128	50	23	20.91	33.02
30-May-25	139	54	25	14.46	27.37	

31-May-25	118	45	22	24.63	23.46
04-Jun-25	126	43	23	15.27	21.5
05-Jun-25	140	47	26	14.74	30.34
11-Jun-25	107	40	19	15.75	22.03
12-Jun-25	93	46	24	13.27	21.27
18-Jun-25	138	53	25	13.26	24.31
19-Jun-25	127	47	22	15.71	29.58
25-Jun-25	146	61	28	13.82	31.23
26-Jun-25	123	40	21	16.58	34.85
03-Jul-25	146	53	27	17.15	28.78
04-Jul-25	134	49	25	12.95	22.79
11-Jul-25	138	45	22	19.49	27.01
12-Jul-25	168	62	30	14.51	24.78
18-Jul-25	140	53	25	12.34	19.19
19-Jul-25	128	44	23	15.32	27.01
30-Jul-25	171	63	28	17.59	19.99
31-Jul-25	125	45	20	11.14	32.07
04-Aug-25	148	63	28	18.96	34.67
05-Aug-25	113	36	17	17.5	30.46
11-Aug-25	147	50	23	9.17	31.13
13-Aug-25	140	44	21	16.62	31.2
20-Aug-25	136	46	25	14.58	34.67
21-Aug-25	152	57	29	16.53	29.72
27-Aug-25	147	50	27	15.75	19.31
28-Aug-25	120	41	23	11.05	19.55

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
Central Nursery	01-Apr-25	156	58	29	10.67	28.23
	02-Apr-25	165	68	35	15.44	35.84
	07-Apr-25	173	70	36	11.21	30
	08-Apr-25	157	60	29	13.78	30.58
	16-Apr-25	149	58	26	15.91	33.02
	17-Apr-25	167	65	32	14.22	25.88
	23-Apr-25	174	78	35	11.23	24.76
	24-Apr-25	156	65	27	14.14	32.08
	29-Apr-25	189	78	41	10.86	32.24
	30-Apr-25	159	64	30	10.29	37.14
	02-May-25	140	53	25	13.51	37.14
	03-May-25	151	57	27	15.02	39.62
	09-May-25	152	57	28	16.89	31.2
	10-May-25	141	55	27	15.02	23.03
	16-May-25	153	61	28	15.13	28.06
	17-May-25	159	59	33	11.26	27.49
	23-May-25	133	51	26	11.8	29.01
	24-May-25	140	54	27	10.73	28.3
	30-May-25	138	47	26	13.99	29.04
	31-May-25	130	45	25	11.26	27.01
	04-Jun-25	118	45	24	11.85	22.45
05-Jun-25	131	50	26	15.4	19.53	
11-Jun-25	117	43	23	14.32	18.64	
12-Jun-25	152	57	29	11.06	26.76	
18-Jun-25	153	65	31	16.21	31.07	
19-Jun-25	123	43	24	16.16	19.75	

25-Jun-25	133	54	26	11.61	20.51
26-Jun-25	110	38	18	16.18	21.7
03-Jul-25	128	45	21	11.43	31.98
04-Jul-25	137	50	26	15.39	19.99
11-Jul-25	120	44	23	16.71	25.82
12-Jul-25	127	48	25	10.03	28.86
18-Jul-25	111	39	16	12.11	22.03
19-Jul-25	132	49	20	13.78	30.38
30-Jul-25	137	45	22	13.13	28.21
31-Jul-25	109	43	17	10.25	26.93
04-Aug-25	142	53	26	13.92	18.91
05-Aug-25	133	49	22	11.53	20.94
11-Aug-25	110	36	17	16.25	26.89
12-Aug-25	142	48	20	15.31	20.06
20-Aug-25	146	58	27	16.19	23.77
21-Aug-25	125	41	22	14	32.69
27-Aug-25	153	55	28	15	26.89
28-Aug-25	148	59	25	15.83	23.35

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
Asanabahali Village	01-Apr-25	162	66	34	12	25.09
	02-Apr-25	158	62	30	10.67	35.29
	07-Apr-25	164	71	38	15.8	29.62
	08-Apr-25	146	64	33	13.78	24.31
	16-Apr-25	163	60	33	15.44	23.94
	17-Apr-25	148	55	30	11.21	21.82
	23-Apr-25	167	64	35	13.78	29.01
	24-Apr-25	146	56	27	12.93	20.67
	29-Apr-25	177	67	34	16.79	33.98
	30-Apr-25	153	57	28	11.11	31.37
	02-May-25	156	62	29	19.19	25.59
	03-May-25	135	53	25	13.14	33.43
	09-May-25	162	64	30	15.83	26.59
	16-May-25	140	55	26	17.93	27.24
	16-May-25	150	50	28	16.14	28.97
	17-May-25	135	45	25	18.02	20.06
	23-May-25	167	56	31	12.93	31.37
	24-May-25	156	52	29	13.04	37.54
	30-May-25	129	43	24	11.26	31.94
	31-May-25	162	54	30	14.62	28.15
	04-Jun-25	141	55	27	14.93	24.31
	05-Jun-25	118	46	24	15.27	23.19
	11-Jun-25	153	64	29	12.44	28.69
	12-Jun-25	149	50	28	14.74	29.54
	18-Jun-25	118	50	24	13.27	28.1
	19-Jun-25	138	57	28	13.1	25.58
	25-Jun-25	114	48	23	17.9	33.58
	26-Jun-25	108	38	17	12.44	29.62
	03-Jul-25	148	58	30	15.32	29.54
	04-Jul-25	118	41	22	15.32	32.07
	11-Jul-25	134	45	26	12.75	27.18
	12-Jul-25	128	43	24	16.71	18.39
	18-Jul-25	142	47	28	16.71	21.1

19-Jul-25	135	44	26	15.78	25.32
30-Jul-25	123	35	18	11.43	19.19
31-Jul-25	130	39	22	13	19.41
04-Aug-25	139	50	26	12.43	21.11
05-Aug-25	115	46	23	17.5	29.75
11-Aug-25	152	67	29	13.81	19.55
12-Aug-25	136	56	28	11.51	35.19
20-Aug-25	148	47	29	19.44	28.89
21-Aug-25	174	65	31	17.5	21.9
27-Aug-25	128	45	25	14.44	31.2
28-Aug-25	134	55	27	11.37	26

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
Guthasahi Village	01-Apr-25	172	68	35	17.28	26.14
	02-Apr-25	157	66	30	16	18.82
	07-Apr-25	143	63	32	14.67	26.66
	08-Apr-25	156	70	34	19.26	25.27
	16-Apr-25	173	66	34	16	34.5
	17-Apr-25	168	66	32	15.85	25.91
	23-Apr-25	146	56	25	18.22	22.74
	24-Apr-25	158	64	29	16	26.66
	29-Apr-25	178	75	36	13.57	30.54
	30-Apr-25	149	54	26	9.33	23.52
	02-May-25	136	51	24	13.76	27.24
	03-May-25	172	67	33	12.64	36.75
	09-May-25	154	56	28	16.8	18.4
	10-May-25	132	50	21	20.44	28.89
	16-May-25	156	45	29	14.6	28.06
	17-May-25	140	56	25	17.93	24.76
	23-May-25	127	43	24	13.89	29.89
	24-May-25	138	56	24	12.37	41.22
	30-May-25	153	58	31	11.32	35.55
	31-May-25	164	63	32	12.1	24.2
	04-Jun-25	146	52	27	12.02	27.37
	05-Jun-25	115	44	22	15.75	30.38
	11-Jun-25	135	50	26	11.78	27.18
	12-Jun-25	146	53	28	16.58	28.78
	18-Jun-25	135	47	25	12.43	12.91
	19-Jun-25	155	63	29	13.26	20.51
	25-Jun-25	114	45	21	13.68	26.58
	26-Jun-25	146	51	28	13.82	27.01
	03-Jul-25	136	52	25	16.71	22.79
	04-Jul-25	147	57	29	13.63	25.58
	11-Jul-25	130	47	23	17.64	27.85
	12-Jul-25	140	54	28	13.92	30.38
	18-Jul-25	139	60	27	9.67	22.39
	19-Jul-25	145	50	23	13.46	28.69
	30-Jul-25	110	42	18	14.85	21.1
	31-Jul-25	168	60	29	17.59	23.19
	04-Aug-25	143	57	26	16.25	23.35
	05-Aug-25	114	33	19	18.42	21.11
	11-Aug-25	127	47	20	11.97	26.59
	12-Aug-25	137	53	25	14.74	32.84

20-Aug-25	127	54	23	17.74	17.99
21-Aug-25	123	73	18	14.27	17.99
27-Aug-25	109	49	21	11.51	32.06
28-Aug-25	144	61	26	20.26	18.77

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
North East of Mine	05-Apr-25	213	90	46	16.37	25.59
	21-Apr-25	216	87	43	13.78	34.5

Air Monitoring Data (April 2025- September 2025)						
Station	Date	SPM	PM10	PM2.5	SO2	NOx
Near NBVL Station	05-Apr-25	209	88	46	12	33.72
	21-Apr-25	206	84	43	18.25	23.94

ANNEXURE -IV

NOISE LEVEL MEASUREMENT IN dBA (April-25 to Sept-25)

Sl. No.	Monitoring Station	Day		Night	
		Min	Max	Min	Max
1	Central Nursery	47.1	68.1	36.1	56.9
2	Guthasahi Village	47.1	68.1	36.1	56.9
3	Near NBVL Station	62.3	62.7	53	55.1
	North East of the Mine	47.1	68.1	37.8	56.9

ANNEXURE -V

PIEZOMETER WATER LEVEL DATA MONITORING BY CMPDIL

Piezometer ID	Location	Date of Monitoring	Piezometer ground water level (m bgl)
MPT -05	Outside Ananta OCP Canteen	22.09.2025	30.40

[Handwritten Signature]

ANNEXURE- VI

Drinking Water Quality (April-25 to Sept.-25)								
Ananta Colony Tap Water (Indian Drinking Standards:IS-10500):2012								
Parameter	Unit	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Acceptable Standard	Permissible Standard
Colour	Hazen	2	2	1	2	1	5	15
Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity	NTU	3	2	1	1	2	1	5
pH	-	7.93	7.4	7.6	7.2	7.22	6.5-8.5	No relaxation
Total Alkalinity	mg/L	50.42	168.08	54.63	21.01	33.61	200	600
Chloride	mg/L	11.67	11.67	9.72	11.7	13.6	250	1000
Sulphate	mg/L	17.92	3.71	10.31	28.2	38	200	400
Nitrate	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	45	No relaxation
Total Hardness (Ca CO ₃)	mg/L	67.73	171.31	59.76	47.06	47.06	200	600
Calcium	mg/L	15.97	46.31	15.97	12.58	14.14	75	200
Fluoride	mg/L	<0.3	1	0.5	0.44	0.49	1	1.5
Total Dissolve Solid	mg/L	112	256	108	96	128	500	2000
Copper	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese	mg/L	<0.04	0.15	<0.04	<0.04	<0.04	0.1	0.3
Iron	mg/L	0.12	<0.1	<0.1	<0.1	<0.1	1	No relaxation
Zinc	mg/L	<0.04	<0.04	<0.04	1.76	<0.04	5	15
Lead	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	0.003	No relaxation
Total Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Arsenic	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Boron	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Selenium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Phenolics	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Residual Free Chlorine	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1
MPN	Index/100 ml	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	-	-
Sodium	mg/L	9.67	5.28	12.41	7.64	19.07	-	-
Potassium	mg/L	3.37	3.76	2.72	1.79	3.43	-	-

ANNEXURE- VII

Drinking Water Quality (April-25 to Sept.-25)								
Dera village tube- well Water (Indian Drinking Standards:IS-10500):2012								
Parameter	Unit	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Acceptable Standard	Permissible Standard
Colour	Hazen	3	1	3	2	3	5	15
Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity	NTU	1	1	3	3	3	1	5
pH	-	7.26	7.87	6.34	6.2	6.21	6.5-8.5	No relaxation
Total Alkalinity	mg/L	63.03	54.63	71.43	84.04	79.83	200	600
Chloride	mg/L	44.73	9.72	44.73	54.4	50.51	250	1000
Sulphate	mg/L	61.95	11.12	54.68	66.2	76.2	200	400
Nitrate	mg/L	<0.5	<0.5	<0.5	<0.5	30.2	45	No relaxation
Total Hardness (Ca CO ₃)	mg/L	155.38	55.78	159.36	156.88	164.72	200	600
Calcium	mg/L	47.91	14.37	47.91	47.16	40.87	75	200
Fluoride	mg/L	<0.3	0.51	0.43	0.68	0.73	1	1.5
Total Dissolve Solid	mg/L	328	108	338	318	306	500	2000
Copper	mg/L	0.033	0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese	mg/L	0.05	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Iron	mg/L	0.12	<0.1	<0.1	<0.1	<0.1	1	No relaxation
Zinc	mg/L	<0.04	<0.04	<0.04	0.28	<0.04	5	15
Lead	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	0.003	No relaxation
Total Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Arsenic	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Boron	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Selenium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Phenolics	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Residual Free Chlorine	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1
MPN	Index/100 ml	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	-	-
Sodium	mg/L	27.62	7.25	20.34	25.52	6.28	-	-
Potassium	mg/L	11.33	1.94	1.46	13.43	2.22	-	-

Ques

ANNEXURE-VIII

EXPENDITURE INCURRED AGAINST POLLUTION CONTROL MEASURES IN RESPECT OF ANANTA OCP, MCL

Sl. No.	Control Measures	Quantity	Expenditure till date in ₹. in Cr
1	Fixed Sprinkler (Coal Stock)	1.2 KM	0.12 Cr
2	Mobile water tankers	06 Nos. (28KL)	0.85×6=5.1 Cr.
3	Water sprinklers on hiring basis	03 Nos.	0.869 Cr.
4	Mobile Fog Canon on hiring basis for 03 years	01 Nos.	1.59 Cr.
5	Fixed type Fog Canon	06 Nos.	0.57 Cr.
6	Wheel washing system	01 Nos.	0.36 Cr
7	Instant Shower System	01 Nos.	0.16 Cr
8	Fixed Sprinkler (Railway Siding)	0.7 KM	0.1 Cr
9	Plantation	333574 Nos.	4.4 Cr.
10	Coal Corridor	2.3 KM	77.05 Cr.
11	Coal transportation road	5 KM	38.26 Cr.
12	Mechanical Road Sweeper on hiring basis	1 No	1.08 Cr
13	Vertical Greenery System at railway siding	576 mtrs	1.03 Cr
14	Metallic Wind Barrier System	295×4 mtrs	0.35 Cr
15	CAAQMS	1 No	0.86 Cr
16	STP annual maintenance	1 no	0.12 cr
17	ETP	1 no	1.31 cr
18	Digital water level recorder	2 nos	0.016 cr
19	Digital water flow meter	2 nos	0.017 cr
20	Expenditure during 2024-25		10.28 cr
21	Expenditure during 2025-26 (From April 2025 upto Sept.2025)		4.51 cr
	Total		148.152 cr



ANNEXURE IX

R & R STATUS OF ANANTA OCP UPTO SEPTEMBER 2025

Sl. No.	Name of the village	No. of Project affected families	No. of Displaced families	Cash compensation in lieu of plot	PAF's opted for plot at R&R site	Balance/ Not opted	No. of persons eligible for employment	Provided employment/ person opted for cash compensation in lieu of employment	Balance
1	Hensamul Village	436	318	213	105		317	317	0
2	Dera Village	502	0	0	0	0	0	0	0
3	Purunia Village	18	18	18	0	0	6	6	0
4	Chandpur Village	7	7	7	0	0	60	60	0
5	Nakhetrapur Village	42	42	42	0	0	88	88	0
6	Ekadal Village	364	364	364	0	0	285	270	15
7	Hilloi Village (A, B, C)	350	350	350	0	0	285	285	0
8	Rakas Village	260	260		260		210	207	3
9	Brundabanpur Village	22	0	0	0	0	6	5	1
10	Ajitpur Village	25	25	25	0	0	0	0	0
11	Rangamatia Village	30	30	30	0		35	32	3
12	Kurihan Village	100	100	100	0	0	0	0	0
13	Dinabandhupur	50	50	50	0	0	0	0	0
14	Biraramachandrapur	20	20	20	0	0	15	8	7
15	Kantapalli Village	47	0	0	0	0	0	0	0
	Total	2273	1584	1219	365	0	1307	1278	29

Ques