



Ref no- FRL/RNC/25-26/125

Date: 28/11/2025

To,
Integrated Regional Office (IRO) – Ranchi
Ministry of Environmental, Forest & Climate Change
2nd floor, Headquarter, Jharkhand State Housing Board
Harmu Chowk, Harmu Housing Colony,
Argora, Ranchi- Jharkhand 834002

Subject: - *Submission of Half – Yearly Environment Clearance Compliance Report of “Rajhara North (Central & Eastern) Coal block opencast project” located at, Village- Pandwa and Rajhara, Block – Pandwa and Nawabazar , Thana- Pandwa, District – Palamu, Jharkhand: Total Land Area: - 116.80 Ha.*

Ref: *Environment Clearance no. EC22B000JH195568, Letter No. EC/SEIAA/2022-23/2573/2022/278 dated 04/11/2022 and corrigendum letter no. EC/SEIAA/2022-23/2573/2022/3119 dated 29/12/2022.*

Dear Sir / Madam,

With reference to the above-mentioned subject, we are submitting the Half – Yearly Environment Clearance Compliance Report for period of April, 2025 to September, 2025 of “Rajhara North (Central & Eastern) Coal block opencast project” located at ,Village- Pandwa and Rajhara, Block – Pandwa and Nawabazar , Thana- Pandwa, District – Palamu, Jharkhand.

Thanking You

FAIRMINE CARBONS PRIVATE LIM.
Yours Faithfully


Director

Rajiv Shekhar
Director
Fairmine Carbons Private Limited

Encl: Half – Yearly Environment Clearance Compliance Report for period of April, 2025 to September, 2025 with Annexures

Cc:

- 1. The Member Secretary, Jharkhand State pollution Control Board (JSPCB) Dhurwa, Ranchi 834004.**
- 2. The Member Secretary, Jharkhand State Environment Impact Assessment Authority.**

**HALF YEARLY ENVIRONMENT CLEARANCE (EC) COMPLIANCE FOR A PERIOD OF
1ST APRIL, 2025 TO 30TH SEPTEMBER, 2025**

FOR

PROJECT	
RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPEN CAST PROJECT	
PROJECTLOCATION	VILLAGE :PANDWA&RAJHARA TEHSIL :PANDWA&NAWABAZAR DISTRICT :PALAMU STATE :JHARKHAND
PROJECTAREA	116.80 Ha.
CAPACITY	0.75 MTPA
PROPONENT	M/S FAIRMINE CARBONS PVT. LTD.
PROPONENTADDR ESS	REGD.OFFICE:4 TH FLOOR, CROSSWINDZBUILDING, 41, COURTROAD, RANCHI, JHARKHAND, PINCODE: 834001
Environment Clearance	EC Identification No: EC22B000JH195568 Dated 04/11/2022 SEIAA, Jharkhand Memo No.: EC/SEIAA/2022- 23/2573/2022/278 Dated: 27/10/2022 and corrigendum letter no. EC/SEIAA/2022-23/2573/2022/3119dated29/12/2022
Monitoring of AAQ, Ground Water & Surface Water	
LABORATORY DETAILS	M/SABZ CARE ENVIRONMENTAL CONSULTANCY PVT. LTD.
Current Status	<i>Project activities commenced on 19th January 2025, and coal production began on 12th March 2025. The project is currently in the coal production phase, with operational mining activities ongoing.</i>

COMPLIANCE OF EC CONDITIONS

I. Specific Conditions:	
i. This Environmental clearance is valid subject to the following condition below-	
That this project has-	
a. Obtained all legal rights to operate at concerned place	Complied. All legal rights have been obtained to operate mining operation.
b. Complied with all existing concerned laws of the land and	Being Complied
c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.	Being Complied
ii. Vegetal cover should be developed on the top soil dump within mining lease area to keep the top soil fertile for further use.	Being Complied. The top soil being removed and stored in pre-defined location. Soon vegetal cover will be developed over it. Shown in Annexure 3.
iii. CER budget should be implemented as per the guideline of Ministry of Environment, Forest & Climate Change, Govt. of India.	Being Complied. Guidelines of MoEF &CC norms relating to implementation of schemes Under CER is being strictly followed. Details of CER is given in Annexure 4.
iv. No mining /activity shall be undertaken in the forestland or deemed forest without obtaining requisite prior forestry clearance.	Being Complied. No forest land is involved in this project. NOC from Territorial DFO & Wildlife DFO is enclosed as Annexure 5.
v. The Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, MoEF&CC and any other court of Law, if any, as may be applicable to this project.	Agreed to Comply. Noted for appropriate action when need arises.

<p>vi. Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs/is found in the Project area or if the area involves forestland or Wildlife habitat i.e. core zone of elephant /tiger reserve etc. and or located within 10 km. of protected area).</p>	<p>Not Applicable. No forestland involved in the project, also the project is not located within 10 km. of protected area within Wildlife habitat i.e. core zone of elephant/tiger reserve etc. NOC from Territorial DFO & Wildlife DFO is enclosed as Annexure 5.</p>
<p>vii. The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained.</p>	<p>Not Applicable. Forest clearance & NBWL clearance are not required as the project area does not involve forestland and wildlife habitats. NOC from Territorial DFO & Wildlife DFO is enclosed as Annexure 5.</p>
<p>II. Statutory compliance:</p>	
<p>i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forestland for non-Forest purpose involved in the project.</p>	<p>Not Applicable. No forest land diversion is involved in the project.</p>
<p>ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</p>	<p>Not Applicable. Clearance from NBWL is not required as project area is located about 25 Km away From wildlife sanctuary.</p>
<p>iii. 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. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-1 species in the Study area).</p>	<p>Not applicable. Schedule-1 species of THE WILDLIFE (PROTECTION) ACT, 1972 is Not reported in the study area and the project area is located about 25 km away from tiger reserve and wildlife sanctuary.</p>
<p>iv. In the writ petition (Civil) no. 202/1995, T. N. GodavermanThirumulpad vs union of India and ors. The Hon'ble Supreme Court passed an order dated 03.06.2022 "National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to".</p>	<p>Not Applicable. Project under consideration located about 25 km from National Park and wild life sanctuary park. NOC from DFO (wildlife) has been obtained. Annexure-5</p>

v.	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.	Complied. CTE & CTO from JSPCB has been obtained. Copy enclosed as Annexure-1 & Annexure-2
vi.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.	Complied. NOC from CGWA has been obtained. Renewal application of NOC from CGWA has been submitted. Copy enclosed as Annexure 6.
vii.	Solid waste /hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules. 2016 /Hazardous & Other Waste Management Rules, 2016 as amended from time to time.	Not Applicable. No Solid/Hazardous Waste is being Generated.

viii.	It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority concerned Regional Office of MOEF&CC at Ranchi and Jharkhand State Pollution Control Board (J.S.P.C.B.) Ranchi/SEIAA/CPCB.	Being Complied. Last six monthly compliance report i.e for a period from October 2024 to March 2025 was submitted to MoEF&CC, Jharkhand State Pollution Control Board (J.S.P.C.B.) Ranchi and SEIAA, Ranchi.
ix.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act. 1986.	Being Complied. Noted, for strict compliance to this condition.
x.	The SEIAA, Jharkhand or any other competent Authority may alter modify the above conditions or stipulate any further condition in the interest of Environment Protection.	Agreed to Comply. Noted, we would follow all directive issued by JSEIAA or any other competent authority.

III.	Air quality monitoring and preservation:	
I.	Continuous ambient air quality monitoring stations as prescribed in the statue 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. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried	Complied. Procurement and Establishment of CAAQMS in core zone has been made. Monitoring of AAQ data in core zone as well as buffer zone is being carried out by NABL accredited Laboratory. Monitoring location finalized on consideration of meteorological data, topographical features and environmentally and ecologically sensitive area. Monitoring of Heavy metals such as Hg, As, Ni, Cd, Cr, etc is being carried by NABL

<p>out at least once in six months.</p>	<p>accredited Laboratory. Data enclosed in Annexure-7.</p>
<p>II. The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR742(E) dated 25.9.2000 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. Monitoring of AAQ and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data is carried out by NABL Accredited lab and it is being reported regularly to MoEF&CC Regional Office & CPCB. Data enclosed in Annexure-8.</p>
<p>III. Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun 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>	<p>Being Complied. Tarpaulin covered trucks plying on the existing road and also through village road to the railway siding. Regular water sprinkling is being done on haul road & critical are as prone to air pollution including loading unloading transfer points.</p>
<p>IV. 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>	<p>Complied. Tarpaulin covered trucks plying on the existing road and also through - village road to the railway siding. Care has been taken to avoid populated area. Route identified for transportation is as per approved mine plan.</p>

V.	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.	Being Complied. Care has been taken only those haulage vehicles is being engaged who have PUC certificate from authorized pollution testing centres.
VI.	Coal stockpile/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.	Complied. <ul style="list-style-type: none"> ● Crusher & Feeder has been provided with dust suppression system ● Side cladding has been provided. ● Drills are being used with wet drilling system.
VII.	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmentally friendly sustainable technology should be implemented for mitigating such parameters.	Not Applicable
IV. Water quality monitoring and preservation:		
I.	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 GSR742(E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	Being Complied. There is no provision for site workshop. Settling Pond has been increased to two Nos and discharged water monitored regularly by Sabz Care (NABL Accredited Lab). Test report and Photographs attached as Annexure -9.
II.	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-20012/1/2006-1A.II(M) dated 27.05. 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Being Complied. This provision is being complied. Photographs attached as Annexure -10.
III.	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	Complied. Two Piezometers has been installed in the Mine area to measure Ground Water level, Piezometer Calibration report attached. Work Order given to Sabz Care Environmental Consultancy Pvt. Ltd. (NABL Accredited Lab) for monitoring of ground

<p>shall be sent regularly to MOEFCC/RO.</p>	<p>water four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. Pre monsoon measurement done. Reports attached as Annexure – 11.</p>
<p>IV. Monitoring of water quality upstream and downstream of water bodies 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>	<p>Complied. Quality of surface water of Sadabah river have been monitored. Test results are enclosed at Annexure-12. Surface water quality will be monitored once in six month & these reports would be Submitted to ROI MoEF&CC.</p>
<p>V. Ground water, excluding mine water, shall not be used for mining operations. Rain water harvesting shall be implemented for conservation and augmentation of ground water resources.</p>	<p>Complied. Ground water is not being used for mining operation</p> <p>Rainwater Harvesting structure prepared and functional. Photographs Attached as Annexure -13</p>
<p>VI. Catch and or garland drains and siltation ponds inadequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent runoff 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 on set 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 utilized 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</p>	<p>Complied. OB dump is in advancing phase and it will be rehandled and to be used in backfilling of open pit. Hence Catch drain have been constructed. However, once the OB dump reach at proposed limit, the retaining wall will be constructed.</p> <p>Catch drain all around the Pit has been constructed and garland drains all along the OB dump has been constructed. Two siltation Ponds has been constructed. Photographs Attached as Annexure-14.</p>

<p>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>	
---	--

<p>VII. Adequate ground water 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>	<p>Complied. Rainwater Harvesting structure prepared and functional. Photographs Attached as Annexure -13. To cater drinking water needs of the villagers, water tanker is being used.</p>
<p>VIII. 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>	<p>Not Applicable. This is no provision of site workshop. Effluent generated in Coal Handling Plant will be collected & treated in Desiltation pond. Treated water will be used for dust suppression & horticulture.</p>
<p>IX. 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>	<p>Complied. Catch drain all around the pit has been constructed and garland drains all along the OB dump has been constructed. Two siltation Ponds has been constructed. Photographs Attached as Annexure-14</p>

<p>X. 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>	<p>Complied. Embankment along Sadabah river has been made around the mine area with a safety distance up to 30 m.</p> <p>Surface drainage plan Attached as Annexure-15.</p>
<p>XI. The project proponent shall take all precautionary measures to ensure riverain/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverain /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</p>	<p>We undertake to Comply.</p> <p>Work order given to Sabz Care Env. Consultancy Pvt. Ltd. attached as Annexure-16.</p>

<p>V. Noise and Vibration monitoring and prevention:</p>	
<p>I. 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>	<p>Complied. Measures taken to conduct awareness programme. The workers engaged in the blasting and drilling operations has been provided PPE Kit and awareness program has been imparted to the workers through in-house Vocational Training Centre.</p> <p>Attendance Sheet attached as Annexure-17.</p>
<p>II. 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>	<p>Complied. Controlled blasting being used for minimizing ground vibration, fly rocks, air blasts in accordance with guidelines laid down by DGMS</p>

<p>III. 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>	<p>Complied. Noise level has been monitored at strategic locations within lease area. A copy of report is enclosed as Annexure 18.</p>
<p>VI. Mining Plan:</p>	
<p>I. Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.</p>	<p>Complied. Mining operation is being carried out under strict adherence to provisions of the Mines Act 1952 & sub-ordinate legislations.</p>
<p>II. 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).</p>	<p>Complied. The Mining Operations has commenced from dated 19.01.2025 and the operations are been carried out in accordance with Approved Mine Plan & relevant circulars issued by Directorate General Mines Safety (DGMS).</p>
<p>III. No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980</p>	<p>Not Applicable. No Forest land is involved in the project area.</p>
<p>IV. Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.</p>	<p>Agreed to Comply. Efforts are being made to reduce energy and fuel consumption by using energy efficient equipments.</p>
<p>VII. Land reclamation:</p>	
<p>I. 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 (MOEF&CC) from time to time shall be submitted to MOEFCC/Regional Office (RO).</p>	<p>To be complied. Work Order given to Sabz Care (NABL Accredited Lab) for Digital survey for mine lease area. WO attached as Annexure -19.</p>

<p>II. 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. 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>	<p>Agreed to Comply. Final mine void depth as per approved Mining Plan & Mine closure plan is 40 m. This will be followed. Mine void would be reclaimed as per approved mining plan. A part of void would be backfilled planned to be used for agriculture.</p>
<p>III. 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.</p>	<p>Agreed to comply. Entire excavated area, backfilling, external OB dumping & afforestation plan shall be in conformity with approved Mining Plan & Mining closure plan and EIA/EMP Report.</p>
<p>IV. 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.</p>	<p>Not Applicable. There is no source for generation of fly ash or gypsum generated from Flue gas desulfurization, in study area of the project.</p>

<p>V. 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 top soil 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 stabilized 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.</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> ● Top soil excavated during mining operation are being stored in earmarked area. They shall be used for plantation & land reclamation. ● Native grass would be planted on active OB Dump for controlling erosion. ● Dormant dumps would be reclaimed using native species of flora. Excavated area shall be backfilled & reclaimed for agricultural use. This is as per approved Mining plan compliance status would be submitted to MoEF& CC / RO.
<p>VI. 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.</p>	<p>Not Applicable. No Grazing land was acquired for this project.</p>
<p>VIII. Green Belt</p>	

<p>I. 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>	<p>i) No endangered /endemic flora /fauna was found in study area during survey.</p>
<p>II. Greenbelt consisting of 3-tier plantation of width not less than 7.5m 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.</p>	<p>ii) 3-tier plantation started in mine boundary area.</p> <p>Comprehensive plan to be prepared year wise and type and number of sapling Photographs attached as Annexure -20.</p>

<p>IX. Public hearing and Human health issues:</p>	
<p>I. 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 six- monthly basis.</p>	<p>Complied. Adequate Illumination within the lease area as per DGMS has done. Report attached as Annexure-21.</p>
<p>II. 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>	<p>Complied. IME for all personnel has been completed as per rule 29 (B)(a)(i) of Mines rule 1955 and PME will be conducted within 5 years as per 29 (B)(b) of Mines rule 1955 Reports attached as Annexure- 22.</p>

<p>III. Personnel (including out sourced 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>	<p>Complied. Adequate training and information on safety and health aspects provided regularly, Vocational Training Centre commissioned after approval from DGMS Reports attached as Annexure-17</p>
<p>IV. Implementation of the 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 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>	<p>a) implementation of action plan on the issues raised during the PH. PH Report attached as Annexure- 4</p> <p>b) As per Jharkhand Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Rules, 2015 Rule 32. Limits on extent of land under section 2(3)(a) read with section 46 of the Act-</p> <p>The Provisions relating to Rehabilitation and Resettlement under these Rules shall apply in the cases where any person other than a specified person purchases land exceeding 2000 Hectares through private negotiations with the owners of the land. FCPL does not fall in this category. Moreover we are taking land from rightful owners on lease for 10 years through direct negotiations. PP Has to acquire only 116.80 hectares for mining operations.</p>
<p>V. The project proponent shall follow the mitigation measures provided in this Ministry'S OM No.Z-11013/5712014-IA.I1 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects</p>	<p>Agreed to comply. Mining Activities has Started in the Month of January 2025.</p> <p>Comprehensive plan as per Ministry's OM No.Z-</p>

wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	11013/5712014-IA.I1 (M) dated 29th October, 2014 will be submitted.
---	---

X. Corporate Environment Responsibility:	
I. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment	Agreed to Comply. The proponent would comply to provisions in Ministry's OM vide FN 22-65 /2017 -1A.II dt.-01.05.2018 regarding corporate Env. Responsibility
II. 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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The company has a well laid down Env. Policy duly approved by Board of Directors. Resolution of Environment policy attached as Annexure- 23
III. 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.	Environment Cell created details attached as Annexure-24.
IV. 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.	Complied. Action plan for implementation of EMP has been prepared and approved by competent Authority. Action plan include provision of year wise funds earmarked for Env. protection. Year-wise progress of implementation of action plan would be submitted to MoEF& CC / RO. Copy Enclosed as Annexure 25.
V. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Mining Activities has started in the Month of January 2025, Self-environmental audit shall be conducted after completion

	of 01 year i.e. 2026.
--	-----------------------

VI.	All the recommendations made in the Charter on Corporate responsibility for Environment Protection (CREP) for the plants shall be implemented.	We undertake to comply . CREP is being prepared by Sabz Care.
VII.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	In compliance to provisions in Mines Act,1952 regular occupational health surveillance of workers has been done & records are being maintained.
XI.	Miscellaneous	
I.	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	The public was informed about the grant of EC within seven by advertisement made in the leading newspaper of Palamu (Hindustan)
II.	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.
III.	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.	Complied.

<p>IV. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) 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.</p>	<p>Complied.</p>
<p>V. 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.</p>	<p>Complied.</p>
<p>VI. 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.</p>	<p>Environment Statement filled in form V has been submitted on Parivesh Portal. Attached as Annexure-26</p>
<p>VII. The project authorities shall inform to the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concern authority commencing the land development work and start of production operation by the project.</p>	<p>Agreed to comply. This will be complied & date of financial closure & final approval of the project by concerned authority as Would be reported to ROI MoEF& CC</p>
<p>VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</p>	<p>Complied.</p>
<p>IX. 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.</p>	<p>Being Complied. Mining Activities has Started in the Month of January 2025,</p>
<p>X. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).</p>	<p>Noted</p>

<p>XI. 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.</p>	<p>Noted</p>
<p>XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</p>	<p>Noted</p>
<p>XIII. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.</p>	<p>Noted</p>
<p>XIV. 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.</p>	<p>Agreed to Comply.</p>
<p>XV. 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 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 Courts and any other Court of Law relating to the subject matter.</p>	<p>Agreed to Comply.</p>
<p>XVI. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010</p>	<p>Noted</p>
<p>XVII. The Environmental Clearance accorded shall be valid for the period of lease of the mine, the PP does not increase production rate and alter lease area during the validity of Environmental Clearance.</p>	<p>The Project Proponent agrees to adhere with the clauses mentioned and not alter production rate without prior approval.</p>



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No.: JSPCB/HO/RNC/CTE-14674423/2023/27

Dated : 2023-01-18

Consent to Establish (CTE) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Reference: Application (s) No.- 14674423 / dated : 07/11/2022 of RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT, Rajeev Singh for consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

2. Documents Relied Upon:

(a) The content of Checklist Ref. No. 875 dated 23.11.2022 of Regional Office, Ranchi;

(b) The content of Vesting order of Ministry of Coal, GOI vide order no. NA-104/11/2020/-NA dated-03.03.2021.

(c) The content of Copy of Environmental clearance vide Office ref. No EC/SEIAA/2022-23/2573/2022/278 dated-22.10.2022 for Rajhara North (Central & Eastern) Coal mine opencast Project of M/s Fairmine Carbons Pvt. Ltd.

(d) The content of Distance Certificate issued by DFO, Medininagar Forest Division vide letter No.1860 dated-22.06.2021 and Division vide letter No.1861 dated-22.06.2021 certifying that the distance of project location from reserved/protected forest is 250 m.

(e) The content of Distance Certificate issued by the Deputy Director, Palamau Tiger Project North Division, Medininagar vide letter no.339 dated 08.04.2022 and vide letter no.409 dated 10.05.2022 certifying that there is no any National Park, Wildlife Sanctuary and ESZ located within 10 km distance from project location and the proposed project does not come under prohibited category of ESZ.

(f) The content of Approved mining plan with mine closure vide JH014/APP/0070/2021 dated-17.05.2022.

(g) The content of CO certificate vide memo no. 242 dated-07.07.2021, memo no. 230 dated-07.04.2022, letter no. 58 dated-02.03.2021, letter no. 150 dated-08.04.2022.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to establish the project in Mauza- PANDWA AND RAJHARA, P S -PANDWA, District-PALAMU as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			

Before Expansion	As per EC	116.80 Ha.	126 crores	Coal-0.75 MTPA (As per EC) Coal Crusher-300 TPH	As per the validity of EC
------------------	-----------	------------	------------	---	---------------------------

(A) Specific Conditions:

1. That, the occupier shall take 'proper mitigative measure to prevent pollution of river particularly from oily discharge form machinery & transport vehicles.
2. That, the occupier shall Construct boundary wall all around the four sides of 10 feet height.
3. . That, the occupier shall do coal transportation in such away that there shall not be any obstruction in flow of the river stream and minimum flow as per the guideline of concerned authority must be maintained at any point of time.
4. That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
5. That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard(s).
6. That, the occupier shall install & maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge
7. That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
8. That, the occupier shall transport the material in fully covered vehicle and an agreement shall be made with transporter to this effect with the condition that if found transporting the material uncovered, transport contract shall be terminated with immediate effect.
9. That, the occupier shall do storage of coal away from river as per the guideline of concerned authority must be maintained at any point of time.
10. That, the occupier shall operate crusher with high efficiency bag filters, water sprinkling system to check fugitive emission.
11. That, the occupier shall install, operate and maintain 360 degree oscillating automizer for water sprinkling arrangement.

12. That, the occupier shall install, operate and maintain the systems for online monitoring of ambient air quality and continuous mine water discharge quality with connectivity to Jharkhand State Pollution Control Board and CPCB server.
13. That, the occupier shall install, operate and maintain facilities to dispose of carbonaceous hazardous and non-hazardous solid wastes for co-processing in high temperature kilns/ furnaces and shall dispose of noncarbonaceous hazardous wastes to TSDF and shall use non-carbonaceous non-hazardous solid wastes or mine overburden as a substitute of live soil or as a land fill as and where applicable.
14. That, the occupier shall make arrangement of transportation of ROM to the railway siding or coal washery by pneumatic conveyer fully covered all along its way.
15. That, the occupier shall ensure the transportation of the ROM & OB through fully mechanically covered transport vehicles and in case of contractual transportation an agreement shall be made with the transporters mentioning contract of transport of materials shall be terminated with immediate effect if any vehicle at any point of time during the transportation of materials be found uncovered.
16. That, the occupier shall shift/keep OB dump(s) to grey land and at least 100 mtr away from river / stream/water body.
17. That, the occupier shall construct and maintain catch drain, siltation pond retaining wall of appropriate size to arrest silt & sediment flows from soil, OB dump and mineral dump.
18. That, the occupier shall establish well equipped environmental laboratory with facilities to monitor at least all regulatory parameters.
19. That, the occupier shall operate crushers at CHP with high efficiency bag filters, water sprinkling system to check fugitive emission.
20. That, this CTE is valid subject to compliance of EC conditions.
21. That, the occupier shall comply all the conditions of EC and CTE and submit its report to the Board on six monthly basis to the concerned organizations.
22. That, the occupier shall apply for CTO after complying all the conditions of EC and CTE alongwith the compliance report and photographs in support of the compliance.
23. That, the occupier shall not exceed the production capacity beyond the capacity as mentioned in CTE.
24. The occupier shall obtain NOC from CGWA/competent authority for water abstraction.
25. That, the occupier shall install and commission CAAQMS and ensure its connectivity with JSPCB and CPCB server.

(B) General Conditions :

(1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.

(2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.

(3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.

(4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .

(5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).

(6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.

(7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.

(8) That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(9) That, this CTE is valid subjected to the validity of mining Lease / Mining Plan / Ecofriendly / Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.

(10) That, this CTE is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time being in force, rests with the industry/ unit/ occupier.

(11) That, this CTE shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.

(12) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules there under.

4. That, this CTE shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.

5. That, this CTE is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTE will be revoked if any of the information/ documents/ certificates/ undertaking given by the occupier is found false/fictitious/forged in future.

6. **This order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserves the right to revoke, withdraw or make any reasonable variation / change / alteration in condition of this consent.**

This is issued with the approval of the competent authority

**Yatindra
Kumar
Das**

Digitally signed
by Yatindra
Kumar Das
Date: 2023.01.18
20:12:50 +05'30'

**[Yatindra Kumar Das]
Member Secretary**

Memo No. : JSPCB/HO/RNC/CTE-
14674423/2023/27

Dated : 2023-01-18

Copy to : Sri Rajeev Singh, Director, M/S RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT, At-PANDWA AND RAJHARA, BLOCK-PANDWA AND NAWABAZAR, PS-PANDWA, PALAMAU, JHARKHAND/ Director of Mines, Govt of Jharkhand, Ranchi/ Deputy Commissioner, Palamau/ DFO, Palamau/ DMO, Palamau/ Regional Officer, Regional Office, Ranchi for information & necessary action.

**Yatindra
Kumar
Das**

Digitally signed
by Yatindra
Kumar Das
Date: 2023.01.18
20:13:06 +05'30'

**[Yatindra Kumar Das]
Member Secretary**



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-22838504/2025/2543

Dated : 2025-09-26

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2025-07-17 of RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT OF M/s FAIRMINE CARBONS PVT. LTD., Occupier Name :Rajeev Kumar Singh for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act, 1981.

2. Documents Relied Upon:

(a) The content of Environmental Clearance (EC) granted by SEIAA vide Ref. No EC/SEIAA/2022-23/2573/2022/278, Dated 27.10.2022 for Rajhara North (Central & Eastern) Coal Mine Opencast Project of M/s Fairmine Carbons Pvt. Ltd At Mauza: Rajhara & Pandwa, Thana: Nawa Bazar & Pandwa, District: Palamau (116.80 Ha);

(b) The content of Consent-to-Establish (CTE) granted vide Ref No.: JSPCB/HO/RNC/CTE-14674423/2023/27, Dated: 2023-01-18, Area: 116.80 Ha. Investment: 126 crores, Coal: 0.75 MTPA (As per EC), Coal Crusher: 300 TPH;

(c) The content of Consent-to-Operate (CTO) granted vide Ref No. JSPCB/HO/RNC/CTO-20466937/2024/1725, Dated: 2024-11-13 for Production of Coal: 0.75 MTPA (As per EC), Coal Crusher: 300 TPH for upto 30/09/2025;

(d) The content of Approval of mining plan with mine closure vide JH014/APP0070/2021 date 17.05.2022;

(e) The content of Lease deed registered as document No. 2024/PAL/5765/BK1/5656, dated: 07.10.2024 Office of SRO: Palamau, valid from 07.10.2024 to 06.10.2054;

(f) The content of Inspection Report Ref. No. 1620, dated 13.08.2025 of Regional Office, Ranchi.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -PANDWA AND RAJHARA , P S -PANDWA , District -PALAMU , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
Before Expansion	As per EC	116.80 Ha.	126 Crores	As per EC	30/09/2028

(A) Specific Conditions:

1. That, the occupier shall take 'proper mitigative measure to prevent pollution of river particularly from oily discharge form machinery & transport vehicles
2. That, the occupier shall Construct boundary wall all around the four sides of 10 feet height
3. . That, the occupier shall do coal transportation in such away that there shall not be any obstruction in flow of the river stream and minimum flow as per the guideline of concerned authority must be maintained at any point of time
4. That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm
5. That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard(s)
6. That, the occupier shall operate & maintain effluent treatment plant for treatment of effluent
7. That, the occupier shall obtain authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
8. That, the occupier shall make agreement with CETP for liquid waste & sludge disposal and shall submit the agreement copy
9. That, the occupier shall install & maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge
10. That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity
11. That, the occupier shall transport the material in fully covered vehicle and an agreement shall be made with transporter to this effect with the condition that if found transporting the material uncovered, transport contract shall be terminated with immediate effect
12. That, the occupier shall operate and maintain Air Pollution Control Device (APCD) regularly and submit the photograph
13. That, the occupier shall purchase raw material only from valid source.
14. That, the occupier shall do storage of coal away from river as per the guideline of concerned authority must be maintained at any point of time

15. That, the occupier shall operate crusher with high efficiency bag filters, water sprinkling system to check fugitive emission

16. That, the occupier shall install, operate and maintain the systems for online monitoring of ambient air quality and continuous mine water discharge quality with connectivity to Jharkhand State Pollution Control Board and CPCB server.

17. That, the occupier shall install, operate and maintain facilities to dispose of carbonaceous hazardous and non-hazardous solid wastes for co-processing in high temperature kilns/ furnaces and shall dispose of noncarbonaceous hazardous wastes to TSDF and shall use non-carbonaceous non-hazardous solid wastes or mine overburden as a substitute of live soil or as a land fill as and where applicable

18. That, the occupier shall comply all the conditions of EC and CTE and submit its report to the Board on six monthly basis to the concerned organization

19. That, the occupier shall install and commission CAAQMS and ensure its connectivity with JSPCB and CPCB server

20. The occupier shall obtain NOC from CGWA/competent authority for water abstraction

21. That, the occupier shall ensure the transportation of the ROM & OB through fully mechanically covered transport vehicles and in case of contractual transportation an agreement shall be made with the transporters mentioning contract of transport of materials shall be terminated with immediate effect if any vehicle at any point of time during the transportation of materials be found uncovered

22. That, the occupier shall construct and maintain catch drain, siltation pond retaining wall of appropriate size to arrest silt & sediment flows from soil, OB dump and mineral dump

23. That, the occupier shall establish well equipped environmental laboratory with facilities to monitor at least all regulatory parameters

24. That, the occupier shall submit applications for renewal of consent under section 25 / 26 of the Water(Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent with documents showing compliance of all of the above condition

25. That, the occupier shall do Loading & unloading of product & raw material in a covered area

26. This CTO is being granted with the approval of the competent authority as per board's order dated B-43 dated 11/07/2023

(B) General Conditions :

- (1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nickel (Ni) ng/m ³	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	600mg/NM3

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/ L
4	Oil & Grease	10 mg/ L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.

4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

This is issued with the approval of the Competent authority

Kumar
Gourav
Jain

Digitally signed
by Kumar
Gourav Jain
Date: 2025.09.26
12:03:03 +05'30'
[Gaurav Jain]

Div Head , Ranchi

Memo No. : JSPCB/HO/RNC/CTO-
22838504/2025/2543

Dated : 2025-09-26

Copy to: Sri Rajeev Singh (Director), M/s Rajhara North (Central & Eastern) Coal Block Opencast Project Of M/s Fairmine Carbons Pvt. Ltd., At: Pandwa And Rajhara, Block: Pandwa And Nawabazar, PS: Pandwa, Palamau, Jharkhand/ Director of Mines, Govt. of Jharkhand, Ranchi/ Deputy Commissioner, Palamau/ DFO, Palamau/ DMO, Palamau/ Regional Officer, Regional Office, Ranchi for information & necessary action.

Kumar
Gourav
Jain

Digitally signed
by Kumar
Gourav Jain
Date: 2025.09.26
12:03:16 +05'30'

[Gaurav Jain]
Div Head , Ranchi

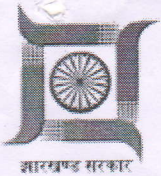


Top Soil Dump

CER Budget for the project proponent: 89 lakhs

CER Budget for the year 2025-26: 19 lakhs.

Sl No.	Activities	Frequency	Cost As CER (1st year)	Actual Cost
1	Water Sprikling(Ajay Chouhan)	Daily	6 lakhs	483886.57
2	Medical Camp(Maa Tara)	Bi annual Basis	1 lakhs	16000/-
3	Measures to be taken to prevent pollution due to movement of mining equipments on public road.	NA	1 lakhs	
4	Emp. To project affected persons	71	2 lakhs	
5	Women empowerment	13(indirect) employment	do	
6	Provision of mine water for irrigation	not yet	4 lakhs	
7	Measures for maintaining level of ground water	once (Settling pond & Peizometer)		
8	Drinking water for villages	daily & submersible pump also installed	8 lakhs	
9				
		once installation		
1	Rain water harvesting			268128
2	Peizometer & water flow meter			3717000
3	CAAQMS			246225
4	Plantation			
5	World environment day			



Government of Jharkhand

Department of Forest, Environment and Climate Change

Permission Letter : LETTER20210622

Acknowledgment No: SWSFST160420218bcfa

Issue Date: 22-06-2021

Name Of Applicant : Fairmine Carbons Pvt Ltd

Email ID : fairminecarbons@gmail.com

Contact no.: 8809403500

Report of Distance from Forest, Forest Reserve and Sanctuary

SNo	Checkpoint	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m?	Yes
2	Whether Project location come under No Mining Zone?	No
3	Does there any National park located within 10 km from project location?	No
4	Does there any Wildlife sanctuary located within 10 km distance from project location?	No
5	Does there any ESZ available within 10 km distance from project location?	No
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)?	No

Name : _____

Designation : _____

Signature : _____

Divisional Forest Officer

Medininagar Forest Division, Medininagar

*The certificate to be issued by the Divisional Forest Officer of the respective Divisions and upload

22/06/2021

22/06/2021



Department of Forest, Environment and Climate Change

Report of Distance from Notified Forest, National Park, Sanctuary & Eco-Sensitive Zone

Name Of Applicant Fairmine Carbons Pvt Ltd

Institution Type Non Government

Email ID fairminecarbons@gmail.com Contact no.: 8809403500

Location of Proposed Land

District Palamu

Battery Point Pandwa

Thana No.: 198

Thana Name: Pandwa

4,6, 7, 10, 14, 15, 17, 19,
21,25, 27, 28, 29, 34, 36, 44,
47,54, 57, 59, 60, 64, 68, 74
75,80, 81, 87, 88, 92, 93,
97,102, 107, 108, 109, 110,
112,117, 123, 127, 129, 130,
131,132, 136, 140, 144 146,
148,149, 151, 152, 156, 157,
158,161, 164, 168, 172 177,
182,184, 187, 188, 192, 201,
Khata No.: 206,211, 214, 216, 219 220,
222,226, 227, 235, 236, 240,
242,243, 244, 247, 251 253,
256,261, 263, 264, 266, 267,
268,270, 272, 273, 274 275,
277,278, 280, 281, 285, 286,
288,290, 291, 293, 295 296,
297,298, 299, 300, 301, 304,
305,306, 307, 308, 309 311,
312, 313, 314, 318, 319, 320,
322,323, 326

Khesra Name:

48(P), 572(P), 657(P), 658(P), 659, 660, 661, 662, 663, 664(P), 665, 666, 667, 668, 669, 670, 671,
672, 673, 674, 675, 676, 677, 678, 679, 680(P), 681, 682, 683, 684, 685, 686, 687, 688, 689, 690,
691, 692, 693, 694, 695(P), 706(P), 707(P), 742(P), 743(P), 744(P), 745(P), 746(P), 747(P), 751(P),
758(P), 759(P), 760(P), 767(P), 768, 769, 770(P), 778(P), 779, 780(P), 781, 782, 783, 784, 785, 786,
787, 788, 789, 790, 791(P), 801(P), 802(P), 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813,
814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833,
834, 835, 836, 837(P), 838, 839(P), 842(P), 843(P), 943(P), 944, 945, 946(P), 947(P), 953(P), 954(P),
955(P), 956(P), 957(P), 958(P), 959(P), 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971,
972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991,
992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009,
1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025,
1026, 1027, 1028, 1029, 1030, 1031(P), 1032(P), 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040,
1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056,
1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067(P), 1068(P), 1069, 1070, 1071,
1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079(P), 1080, 1081, 1082, 1083, 1084, 1085, 1086,
1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099(P), 1100, 1101,
1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109(P), 1110(P), 1112(P), 1113, 1114, 1115, 1116, 1117,
1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133,
1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149,
1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157(P), 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165,
1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180(P), 1181,
1182, 1183(P), 1184(P), 1192(P), 1194(P), 1212(P), 1214 (P), 1215, 1216, 1217, 1218(P), 1219,
1220, 1221, 1222, 1223(P), 1224, 1225, 1226(P), 1242(P), 1243, 1244, 1245, 1246, 1247, 1248(P),
1250, 1251, 1252, 1253, 1254, 1255(P), 1256(P), 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264,
1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279(P),
1280(P), 1283(P), 1285(P), 1368(P), 1470(P), 1471(P), 1472(P), 1473, 1474, 1475, 1476, 1477,
1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487(P), 1488(P), 1492(P), 1898, 1900(P)

#	Checkpoint	Range Forest Officer	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m? *	Yes	
2	Whether Project location come under No Mining Zone? *	No	
3	Does there any National park located within 10 km from project location? *	No	
4	Does there any Wildlife sanctuary located within 10 km distance from project location? *	No	
5	Does there any ESZ available within 10 km distance from project location? *	No	
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)? *	No	

22.6.2021

Division DFO Medninagar

Letter No. 1861

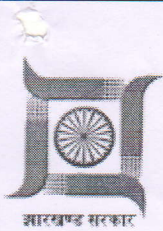
Date of issue

Signature 22/6/21

Name

Divisional Forest Officer

Divisional Forest Officer



Government of Jharkhand

Department of Forest, Environment and Climate Change

Permission Letter : LETTER20210622

Acknowledgment No: SWSFST160420210e3aa

Issue Date: 22-06-2021

Name Of Applicant : Fairmine Carbons Pvt Ltd

Email ID : fairminecarbons@gmail.com

Contact no.: 8809403500

Report of Distance from Forest, Forest Reserve and Sanctuary

SNo	Checkpoint	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m?	Yes
2	Whether Project location come under No Mining Zone?	No
3	Does there any National park located within 10 km from project location?	No
4	Does there any Wildlife sanctuary located within 10 km distance from project location?	No
5	Does there any ESZ available within 10 km distance from project location?	No
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)?	No

Name : _____

Designation : _____

Signature : _____

Divisional Forest Officer

Medininagar Forest Division, Medininagar

*The certificate to be issued by the Divisional Forest Officer of the respective Divisions and upload

22-06-2021
22/06/2021



Department of Forest, Environment and Climate Change

Report of Distance from Notified Forest, National Park, Sanctuary & Eco-Sensitive Zone

Name Of Applicant Fairmine Carbons Pvt Ltd
Institution Type Non Government
Email ID fairminecarbons@gmail.com Contact no.: 8809403500

Location of Proposed Land

District Palamu Battery Point Rajhara
Thana No.: 132 Thana Name: Nawa Bazar
Khata No.: 92, 136, 222, 237, 320, 328, 136 Khesra Name: 1597(P), 1600(P), 1603(P), 1604, 1605(P), 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614(P), 1618(P), 1625(P), 1642(P), 1643, 1677(P), 1678(P), 1683(P)

#	Checkpoint	Range Forest Officer	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m? *	Yes	
2	Whether Project location come under No Mining Zone? *	No	
3	Does there any National park located within 10 km from project location? *	No	
4	Does there any Wildlife sanctuary located within 10 km distance from project location? *	No	
5	Does there any ESZ available within 10 km distance from project location? *	No	
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)? *	No	

Division DFO Medninagar

Letter No. 1860

Date of issue 22/6/2021

Signature 22/6/21

Name

Divisional Forest Officer

Divisional Forest Officer

Medninagar Forest Division, Medninagar

22/06/2021
22/6/2021



Department of Forest, Environment and Climate Change

Report of Distance from Notified Forest, National Park, Sanctuary & Eco-Sensitive Zone

Name Of Applicant Rajeev Singh

Institution Type Non Government

Email ID fairminecarbons@gmail.com

Contact no.: 8809403500

Location of Proposed Land

District Palamu

Thana No.: 198

Battery Point Pandwa

Thana Name: Pandwa

48(P), 571(P), 572, 573(P), 578(P), 579(P), 657(P), 658(P), 659, 660, 661, 662, 663, 664(P), 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680(P), 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697(P), 698(P), 700(P), 706(P), 707(P), 742(P), 743(P), 744(P), 745(P), 746(P), 747(P), 751(P), 758(P), 759(P), 760(P), 767(P), 768, 769, 770(P), 778(P), 779, 780(P), 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791(P), 801(P), 802(P), 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837(P), 838, 839(P), 842(P), 843(P), 943(P), 944, 945, 946(P), 947(P), 953(P), 954(P), 955(P), 956(P), 957(P), 958, 959(P), 960(P), 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031(P), 1032(P), 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067(P), 1068(P), 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079(P), 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099(P), 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109(P), 1110, 1111(P), 1112(P), 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157(P), 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172(P), 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180(P), 1181, 1182(P), 1183(P), 1185(P), 1192(P), 1193(P), 1194, 1195(P), 1212(P), 1214(P), 1215, 1216, 1217, 1218(P), 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226(P), 1241(P), 1242(P), 1243, 1244, 1245, 1246, 1247, 1248(P), 1250, 1251, 1252, 1253, 1254, 1255(P), 1256(P), 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279(P), 1280(P), 1283(P), 1284(P), 1285(P), 1368(P), 1470(P), 1471(P), 1472(P), 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487(P), 1488, 1492(P), 1898, 1900(P)

3,4,6,7,10,14,15,17,19,21,25,27,28,29,34,36,44,47,53,54,57,59, 60,64,68,74,75,80,81,87,88,92,93,97,102,107,108,109,110,112, 117,123,127,129,130,131,132,136,140,144,146,148,149,151,152, 156,157,158,161,164,168,172,177,182,184,187,188,192,201,206, Khata No.: 211,214,216,219,220,222,224,226,227,235,236,240,242,243,244, 247,251,253,256,261,263,264,266,267,268,270,272,273,274,275, 277,278,280,281,285,286,288,290,291,293,295,296,297,298,299, 300,301,304,305,306,307,308,309,311,312,313,314,318,319,320, 322,323,326

Khesra Name:

u/s
10/05/22
Deputy Director,
Palamu Tiger Project,
North Division, Medininagar

#	Checkpoint	Range Forest Officer	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m? *	Yes N.A	Yes N.A for this Division
2	Whether Project location come under No Mining Zone? *	No N.A	No N.A for this Division
3	Does there any National park located within 10 km from project location? *	No	No
4	Does there any Wildlife sanctuary located within 10 km distance from project location? *	No	No
5	Does there any ESZ available within 10 km distance from project location? *	No	No
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)? *	No	No

नोट:-

क्र० सं०:-01 एवं 02 :-	में आवेदित स्थल पलामू व्याघ्र परियोजना, उत्तरी प्रमंडल मेदिनीनगर के क्षेत्राधिकार के अन्तर्गत नहीं पड़ता है। अतः वांछित सूचना संबंधित वन प्रमंडल के कार्यालय से प्राप्त करें।
क्र० सं०:- 03 से 06 :-	के संदर्भ में प्रतिवेदित करना है कि प्रस्तावित परियोजना हेतु प्रयोक्ता अभिकरण के स्तर से उपलब्ध कराया गया Battery Point- Latitude- N 24.164480, Longitude- E 84.065774 है। उपलब्ध कराये गये Battery Point के आधार पर आवेदित स्थल बेटला नेशनल पार्क एवं पलामू वन्यप्राणी आश्रयणी से 10 कि० मी० के बाहर अवस्थित है। इसके साथ ही यह ESZ स्थल की सीमा से बाहर है।

Division DFO Core Area Palamu Tiger Reserve

Letter No. 409Date of issue 10-05-2022

Signature _____

Name _____

Divisional Forest Officer

u/s
10/05/22
Deputy Director,
Palamau Tiger Project,
North Division, Medininagar

u/s
Deputy Director,
Palamau Tiger Project,
North Division, Medininagar



Department of Forest, Environment and Climate Change

Report of Distance from Notified Forest, National Park, Sanctuary & Eco-Sensitive Zone

Name Of Applicant: Rajeev Singh
 Institution Type: Non Government
 Email ID: fairminecarbons@gmail.com Contact no.: 8809403500

Location of Proposed Land

District: Palamu Battery Point: Rajhara
 Thana No.: 132 Thana Name: Nawa Bazar
 Khata No.: 92,136,222,237,320,328 Khesra Name: 1677(P), 1607, 1609, 1610, 1612, 1613, 1611, 1642(P), 1606, 1608, 1600(P), 1678, 1683(P), 1625(P), 1597(P), 1604, 1618(P), 1614(P), 1643, 1603(P), 1605(P), 1679(P)

#	Checkpoint	Range Forest Officer	Divisional Forest Officer
1	Whether Distance of Project location from Reserved Forest/Protected Forest is 250 m? *	Yes N.A	Yes N.A for this Division
2	Whether Project location come under No Mining Zone? *	No N.A	No N.A for this Division
3	Does there any National park located within 10 km from project location? *	No	No
4	Does there any Wildlife sanctuary located within 10 km distance from project location? *	No	No
5	Does there any ESZ available within 10 km distance from project location? *	No	No
6	Whether Proposed project comes under prohibited category of ESZ (Yes or No)? *	No	No

Division: DFO Core Area Palamu Tiger Reserve

Letter No.: 339

Date of issue: 08-04-2022

Signature: _____

Name: _____

Divisional Forest Officer

Deputy Director,
 Palamu Tiger Project,
 North Division, Medininagar

नोट:-

क्र० सं०:-01 एवं 02 :-	में आवेदित स्थल पलामू व्याघ्र परियोजना, उत्तरी प्रमंडल मेदिनीनगर के क्षेत्राधिकार के अन्तर्गत नहीं पड़ता है। अतः वांछित सूचना संबंधित वन प्रमंडल के कार्यालय से प्राप्त करें।
क्र० सं०:- 03 से 06 :-	के संदर्भ में प्रतिवेदित करना है कि प्रस्तावित परियोजना हेतु प्रयोक्ता अभिकरण के स्तर से उपलब्ध कराया गया Battery Point- Latitude- N 24.164942, Longitude- E 84.049023 है। उपलब्ध कराये गये Battery Point के आधार पर आवेदित स्थल बेतला नेशनल पार्क एवं पलामू वन्यप्राणी आश्रयणी से 10 कि० मी० के बाहर अवस्थित है। इसके साथ ही यह ESZ स्थल की सीमा से बाहर है।

Deputy Director,
 Palamu Tiger Project,
 North Division, Medininagar

Annexure-6



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Rajhara North (central And Eastern) Coal Block Opencast Project		
Project Address:	Mauza - Pandwa And Rajhara, Anchal - Pandwa And Nawa Bazar, District - Palamu		
Village:	Pandwa	Block:	Padwa
District:	Palamu	State:	Jharkhand
Pin Code:			
Communication Address:	4th Floor, Crosswindz Building, 41 Court Road, , Ranchi, Jharkhand - 834001		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

1. NOC No.:	CGWA/NOC/MIN/ORIG/2023/19473	2. Date of Issuance	27/10/2023									
3. Application No.:	21-4/924/JH/MIN/2022	4. Category: (GWRE 2022)	Safe									
5. Project Status:	New Project	6. NOC Type:	New									
7. Valid from:	27/10/2023	8. Valid up to:	26/10/2025									
9. Ground Water Abstraction Permitted:												
Fresh Water		Saline Water		Dewatering		Total						
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year					
30.00	10950.00			1583.50	577977.50							
10. Details of ground water abstraction /Dewatering structures												
Total Existing No.:0						Total Proposed No.:5						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Dewatering Structure*	0	0	0	0	0	0	0	0	0	0	0	5
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
11. Ground Water Abstraction/Restoration Charges paid (Rs.):	1472319.00											
12. Environment Compensation (if applicable) paid (Rs.):	0.00											
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers						Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder	2						0	1	1			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

Receipt

(As per the MoJS guidelines dated 24.09.2020 vide SO No. 3289(E) and amendments dated 29.09.2023 vide SO No. 1509(E))
<https://cgwa-noc.gov.in>

Application No.:	21-4/924/JH/MIN/2022	Date of Issuance:	27/10/2023
Name of Firm:	RAJHARA NORTH (CENTRAL AND EASTERN) COAL BLOCK OPENCAST PROJECT		
AppType Category:	Coal		
Application Type:	Mining		
PAN/GSTIN No. of Firm/Individual:	NA / NA		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	10000.00
2.	Ground Water Abstraction charges	1472319.00
3.	Ground Water Restoration charges	0
4.	Environmental Compensation Charges (ECRGW) (Date From to) Days-	
5.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
6.	Adjustment Charges	
7.	Rebate	
8.	Charges for correction/modification in the existing issued No Objection Certificate	
S.No.	Description	Rate
(i)	Change in User ID	Rs. 5000
(ii)	Change in firm Name	Rs. 5000
(iii)	Extension of No Objection Certificate	Rs. 5000
(iv)	Issuance of duplicate No Objection Certificate	Rs. 5000
(v)	Issuance of corrigendum to No Objection Certificate	Rs. 5000
(vi)	Any other items/correction etc.	
Rs. Rupees Fourteen Lakh Eighty Two Thousand Three Hundred Ninteen Only		1482319.00

This is an system generated invoice, hence, does not require ink signed.

Term and conditions:

- i. All disputes are subject to Delhi Jurisdiction.
- ii. Any complaint in regard to the rates will not be entertained.

Member-Secretary
CGWA, New Delhi

CENTRAL GROUND WATER AUTHORITY

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

1. General Information:	
Water Quality:	Fresh Water
Purpose of Renewal Application:	Existing with Additional Ground Water Requirement
Application Type Category/ Type of Application	Coal
2. Name of Mine/Project:	RAJHARA NORTH (CENTRAL AND EASTERN) COAL BLOCK OPENCAST PROJECT
3. Location Details of the Mining Unit- (Attach Site, Approved Mining Plan, Toposketch of Surrounding 10km Radius Outside) (\$):	
Address Line 1 :	MAUZA - PANDWA AND RAJHARA
Address Line 2 :	ANCHAL - PANDWA AND NAWA BAZAR
Address Line 3 :	DISTRICT - PALAMU
State:	JHARKHAND
District:	PALAMU
Sub-District:	PADWA
Village/Town:	Pandwa
Latitude:	24.165411
Logitude:	84.057730
Area Type :	Non-Notified
Area Type Category :	Safe
Whether industry is MSME:	Yes (Micro)
4. Communication Address	
Address Line 1:	4TH FLOOR
Address Line 2:	CROSSWINDZ BUILDING
Address Line 3:	41 COURT ROAD
State:	JHARKHAND
District:	RANCHI
Sub-District:	
Pincode:	834001
Phone Number with Area Code:	
Mobile Number:	91 9386909095
5. Details of Existing NOC issued by CGWA (enclose copy)	
NOC Letter No:	CGWA/JH/MIN/NO/2023/19473
Date of Issuance:	27/10/2023
Vailidity (Start):	27/10/2023
Validity (End):	26/10/2025

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

**Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)**

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

	Reason for not applying for renewal before expiry of NOC Validity (Attach Affidavit):				
6.	Change in Land Use Pattern after execution of Project and Surroundings (10 km Radius - Outside)				
7.	Land Use Detail of Project Area				
	Land Use Details	Existing (sq meter)	Proposed (sq meter)	Grand Total (sq meter)	
	Green Belt Area			0	
	Open Land			0	
	Road/ Paved Area			0	
	Rooftop area of building/ sheds			0	
	Total			0	
8.	Whether there is a change in Topography of the Area after the execution of the Project:		No		
	a) Regional				
	b) Project Area				
9.	Whether there is change in Drainage pattern of the area after the execution of the Project:		No		
	a) Regional				
	b) Project Area				
10.	Present Townships / Villages within 10 km radius of the Project:-				
11.	Whether the Groundwater Table will be Intersected by Activity :-			No	
	(a) At What Depth (m bgl)	Pre-monsoon		Post-monsoon	
	Minimum (m bgl)				
	Maximum (m bgl)				
	(b) Maximum Depth Proposed to Dewater (m bgl)				
	(c) Groundwater Flow Direction (Attach Map)(\$)				
	(d) Any Other Information				
12.	Total Water Requirement for various Purpose to be Mentioned	Existing (m3/day)	Additional (m3/day)	Existing (m3/year)	Additional (m3/year)
	Ground Water Required through Abstract Structure	30.00		10950.00	
	Ground Water Abstracted on account of Dewatering / Mining Seepage	1520.00		554800.00	
	Total Ground Water Withdrawal	1550.00	0	565750.00	0
13.	Details of De-Watering Structure				
	(a) De-Watering Existing Structure				
	Number of Existing Structures:	0			

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

	SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours(Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA /If so Details Thereof
(b) De-Watering Requirement and Additional Structure Detail										
Number of Proposed Structures:						0				
	SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours(Day) / Days(Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA/If so Details Thereof
14. Details of Utilization of Pumped Water (Please Attach Details)(m3/year) (\$)										
	(a)	Water Supply		No						
	(b)	Agriculture		No						
	(c)	Green Belt Development		No						
	(d)	Suppression of Dust		No						
	(e)	Recharge		No						
	(f)	Any Other Item								
15. Monitoring of Ground Water Regime (Attach Map(\$))										
	(a)	Location Details of the Wells / Piezometers (Latitude, Longitude, Reduced Level)								
	(b)	Number of Wells / Piezometers								
	(c)	Attach Details of GW Level of Observation Wells / Piezometers(At Least for One Year)(\$)								
	(d)	General Quality of GW in the Area & Surroundings (\$)								
	(e)	Any Other Item								
16. Give the details of change in groundwater regime and quality after execution of the project (Attach detailed report with Map showing GW flow direction(\$))										
17. Proposed Pump / Pumping Groundwater Outside the Mine Pit for Domestic or Other Use (If so, give Details):										
Number of Existing Structures:						0				

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA/If so Details Thereof
------	---	-------------------------------	--	---------------------	---------------------------------------	-------------------	---------------------	---------------------------------	---

Number of Additional Structures: 0

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA/If so Details Thereof
------	---	-------------------------------	--	---------------------	---------------------------------------	-------------------	---------------------	---------------------------------	---

18. (a). Compliance to the Condition prescribed in the NOC

SNo.	Conditions given in NOC	Compliance Conditions Applicable	Status of Compliance
------	-------------------------	----------------------------------	----------------------

(b). Compliance to the Condition prescribed in the NOC - Other

SNo.	Conditions given in NOC	Status of Compliance
------	-------------------------	----------------------

No Record Found!

19. Gainful utilization of pump water:-

20. Details of Rainwater Harvesting and Artificial Recharge Measures for Groundwater Recharge in the Area:-

MINING USE- Self Declaration

I hereby certify that the data and information furnished above are true to the best of my knowledge and belief and I am aware that if any part of the data / information submitted is found to be false or misleading at any stage, the application will be rejected outright.

I hereby declare that all the mandatory documents prescribed in the application form have been uploaded and no blank /irrelevant documents have been uploaded. I am also aware that any false/ wrong submission /uploading of document will lead to rejection of my application without any notice.

It is to certify that no case related to ground water withdrawal/ contamination is pending against the industry/ project/ unit as on date. Any such case filed against the company/ project/ unit in respect of ground water withdrawal/ contamination during the pendency of this application shall be immediately brought to the notice of CGWA.

I hereby undertake that in case any environmental compensation/ penalty is imposed on the firm by any statutory authority, I shall comply with the decision of such authority.

1. Application Proforma is subject to modification from time to time.

2. Application is submitted online on website <http://cgwa-noc.gov.in> to following office.

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

Regional Director, Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, PATNA, BIHAR, 800011

3. Incomplete application will be summarily rejected.

Scanned copy of last page of application with signature and seal should be attached at prescribed place before submission of application.

4. Receipt of Processing Fee of Rs. 5000.00/- (Rupees Five Thousand Only) submitted through NON TAX RECEIPT PORTAL (<https://bharatkosh.gov.in>) should be attached along with hard copy of application.

Processing Fee:-

Bharat Kosh Transaction
Ref. No:-

Bharat Kosh Transaction
Date:-

Note:- The Processing Fee is Non-Refundable. Applicant should ensure and Check Eligibility of Submission of Application and Required Documents before Submitting Online Application.

5. Hard copy of application required:	No		
6. Ground Water Quality Approved	Not Define	Ground Water Charge Required:	Not Define
Ground Water Charge Recieve:	No	Ground Water Charge Amount:	
		Ground Water Area Amount:	

Attached Files:

1). GroundWater flow Direction Map: (Refer:11-C)

No Attachment Found!

2). GW Level of Observation Wells / Piezometer : (Refer:15-C)

No Attachment Found!

3). General Quality of Ground Water in the Area : (Refer:17-D)

No Attachment Found!

4). Changes in Topography : (Refer: 8)

No Attachment Found!

5). Changes in Drainage Pattern : (Refer: 9)

No Attachment Found!

6). Reason for Not Applying for Renewal before Expiring NOC : (Refer: 5)

No Attachment Found!

7). Existing NOC : (Refer: 5)

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development and Ganga Rejuvenation
Central Ground Water Authority (CGWA)
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Renewal of NOC to Dewater Ground Water for Mining Industry
(Application for Renewal of NOC)

Application Number : 21-4/924/JH/MIN/2022

Applied For Renewal : 1st

S.No	Attachment Name	File Name
1	MINScan_69886	MINScan_69886.pdf

8). Compliance to the Condition prescribed in the NOC : (Refer: 17-a)

S.No.	Conditions given in NOC	Attachments		
		S.No.	Attachment Name	File Name

9). Compliance to the Condition prescribed in the NOC - Other : (Refer: 17-b)

S.No.	Conditions given in NOC	Attachments		
		S.No.	Attachment Name	File Name

10). Extra Attachment :

S.No	Attachment Name	File Name
1	Notice of Commencement	Notice of Opening dt19-01-2025.pdf
2	Opening Permission	1736407057605Opening_permission_of_Rajhara_North (central_&_Eastern)_Coal_mine.pdf
3	MSME Certificate	MSME _ Udyam Registration Certificate.pdf
4	Self Declaration	Renewal Application signed.pdf

11). Bharat Kosh Reciept (Porcessing Fee):

No Attachment Found!

12). Application with Signature and Seal:

No Attachment Found!

13). MSME certificate in case of MSME:

No Attachment Found!

Date :

Name & Signature of the applicant

Place :

(With official seal)

Associated User : fairminecarbons

Submitted By User : fairminecarbons

Submission Date : 05/09/2025

* In case signed by any authorized signatory, the details of the signatory with the authorization shall be enclosed.

Annexure - 7

The screenshot shows the website for the Jharkhand State Pollution Control Board (JSPCB). The page title is "Industry Details". A search bar contains the text "RAJHA". Below the search bar is a table with the following data:

Sl. No.	Industry Name	Industry Type	Tabular / Graphical	Today's Status
131	M/s Rajhara North (Central and Eastern) Coal Block Opencast Project	Coal Block	Tabular Data Graphical	■

Below the table, it says "Showing 1 to 1 of 1 entries (filtered from 214 total entries)". There are "Previous" and "Next" navigation buttons. The footer contains copyright information: "Copyright (c) 2019 by Jharkhand State Pollution Control Board. All rights reserved. Design, Developed & Maintained by Jharkhand Space Application Center." The browser's taskbar at the bottom shows the date as 24-10-2025 and the time as 09:46.



FAIRMINE CARBONS PVT LTD

PURCHASE ORDER FOR ENVIRONMENTAL MONITORING
FAIRMINE CARBONS PVT LTD

Ranchi, Jharkhand, India, 834001.

CIN No. U23200JH2020PTC014511, PAN-AAECF1244J

Vendor Code	FCPL/RNC/142	Order No	FCPL/RNC/25-26/48	Date	18.06.2025
Vendor Name	Sabz Care Environmental Consultancy Pvt. Ltd.	Amendment No	0	Date	NA
Vendor Address	Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist- Deoghar-815353 Jharkhand	Offer/Ref No	NFA-DTO/25-26/82		30.05.2025
Vendor Contact	09334315731/7563048389	Validity Start / End	18.06.2025 to 17.06.2026		
Vendor Email	sceplmdp@gmail.com	PO Category	Project	Curr.	INR
Contact Person		Buyer Name	Fairmine Carbons Private Limited		
GSTIN (Invoicing Party)	GSTIN-20AAXCS2937G1Z5	Buyer Contact	Abhishek Kumar 6202515090		
Vendor PAN No	AAXCS2937G	Buyer Email	fairminecarbons@gmail.com		
Service tax No	NA	GSTIN of Business Party	20AAECF1244J1Z4		

ORDER FOR ENVIRONMENTAL MONITORING

NON-ACKNOWLEDGEMENT OF THIS ORDER WITHIN 7 DAYS WILL BE CONSIDERED AS ACCEPTED BY YOU.

Abhishek

A. Item description

<u>Sl no.</u>	<u>Standard</u>	<u>Particulars</u>	<u>Parameters to be monitored, analyzed</u>	<u>Frequency of monitoring</u>	<u>No of Samples per annum</u>	<u>Rate per sample</u>	<u>Amount in Rs</u>
1	AAQ Monitoring	Within core zone:4 locations	PM10, PM2.5, SOX & Nox as per EC	Twice in a month. One sample over 24-hour continuous duration, once in a Fortnight throughout the year	96	1,175/-	1,12,800/-
2		Within Buffer zone:4 Locations			96	1,175/-	1,12,800/-
3	AAQ Monitoring	Within core zone:4 locations	Hg, As, NH3, Pb, Ni, Cd & Cr in SPM and RSPM, C6H6, Bap, As, Ni, O3, CO as per CTO & EC	Once in six months (Half Yearly)	8	1,475/-	11,800/-
4		Within Buffer zone:4 Locations			8	1,475/-	11,800/-
5	Fugitive emission	Dust Generation Sources in the core zone:5 Location	Suspended particulate Matter (Coal Dust) and silica content as per GSR	Twice in a Month one sample over 24-hour continuous duration once in a fortnight throughout the year	96	1,175/-	11,2800/-
6	Water quality	Surface water analysis in core (2) & Buffer zone: (2) locations	All parameters as per IS:2296 & EC condition pH, Temp, Turbidity, conductivity, TSS, TDS, COD, BOD, coliform Bacteria, Oil & Grease	Quarterly as per EC condition	16	1,260/-	20,160/-

Abhishek

7	Water Quality	Surface water analysis in core (2) & Buffer zone (2) Locations	All parameters as per IS:10500 & EC condition	Once in a Quarter	16	1,260/-	20,160/-	
8	Water Quality	Surface water (settling pond) and Groundwater from core and buffer zone	Heavy metals (Hg, As, Ni, Cd, Cr)	Once in a year (August)	4	1,260/-	5,040/-	
9	Water Quality	Ground water level measurement in dug wells located in core zone and buffer zone (8 location) as per CGWB	Water level measurement	During the month of January, May, Aug & Nov	32	460/-	14,720/-	
10	Soil Quality Analysis			Once in a Quarter	8	1,260/-	10,080/-	
11	Noise Quality	Within core zone: 4	As per CPCB/SPCB & EC	Once in a month	48	460/-	22,080/-	
12		Locations Within Buffer zone:4 Location			48	460/-	22,080/-	
13	Sampling & Analysis of Air Using personal dust sampler (PDS)			Once in a month	12	1,175/-	14,100/-	
14	Land Use Pattern Map of Mine Lease area based on Satellite Image on Scale 1:50000 (once in 3 years)			Once in a year	1	25,500/-	25,500/-	
15	Preparation & Submission of Half Yearly EC-Compliance Report & CTO compliance including Environmental statement (From-5)			Once in six months	2	13,000/-	26,000/-	
16	Service charge for NOC from CGWA except Liasson & Govt. fees				1	15,000/-	15,000/-	
17	Water Audit by certified water Auditor (Optional)				1	2,00,000/-	2,00,000/-	
Total								7,56,920/-

Abhishek

Total Purchase Order cost 7,56,920/-/-

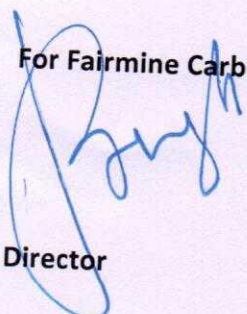
Seven Lakh Fifty-Six Thousand Nine Hundred Twenty Only.

ORDER FOR ENVIRONMENTAL MONITORING

Term & Conditions:

- 100% Payment after Completion and submission of Report (Monthly). *after verify*
- Other than Monitoring works, advance payment of 50% of Service charge as mention in above table.
- GST Extra as applicable
- Lodging of staff are in the scope of FCPL.
- Relevant document shall be provided by the FCPL.

For Fairmine Carbons Pvt Ltd


Director

Abhishek



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000961F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	27.10.2025 to 28.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-326/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	23.65	25.90	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	20.72	22.20	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.35	0.58	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361);2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjan
01/11/25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahaman
01/11/25
Lab-in Charge
(S.K.M. Mizanur Rahaman)

*** END OF REPORT ***



Authorized Signatory
Piyush Ranjan
01/11/2025
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000962F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	27.10.2025 to 28.10.2025	Sample Collected By	Vivek Kr. Malakar & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-328/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure : 1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	22.46	23.17	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	19.61	21.83	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.47	0.47	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Reviewed By

Authorized Signatory

Sr. Analyst
(Ranjeet Yadav)

Lab in Charge
(S.K.M. Mizanur Rahaman)

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000963F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.10.2025 to 29.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-327/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Pandwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	18.66	17.35	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	17.76	15.91	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.70	0.58	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjet
Sr. Analyst
(Ranjet Yadav)

Reviewed By
S.K.M. Mizanur Rahaman
Lab in Charge
(S.K.M. Mizanur Rahaman)
*** END OF REPORT ***

Authorized Signatory
Piyush Ranjan
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000964F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.10.2025 to 29.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-329/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Pandwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	16.40	18.89	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	18.13	14.80	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.58	0.35	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Radaw
01.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

[Signature]
01/11/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

[Signature]
01/11/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000562F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	03.07.2025 to 04.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-198/A/01-02	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	30.65	35.49	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	58.26	69.34	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	18.38	20.59	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	22.28	23.45	80 (µg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush Ranjan
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000563F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	03.07.2025 to 04.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-198/B/01-02	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	33.58	36.84	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	64.78	70.41	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	19.36	17.40	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	22.28	20.71	80 (µg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000564F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	04.07.2025 to 05.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-199/A/01-02	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Padwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	29.46	35.80	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	54.69	78.36	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	16.42	18.63	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	18.76	21.50	80 (µg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000565F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	04.07.2025 to 05.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-199/B/01-02	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Padwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	30.54	28.16	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	59.82	51.16	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	16.67	13.48	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	18.57	15.44	80 (µg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000566F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	04.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Fugitive Air	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Total Suspended Particulate Matter	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-200/01-03	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS
		Total Suspended Particulate Matter			
1.	Near New Stock Yard	TSPM	µg/m ³	IS- 5182 (Part-4)	489.18
2.	Near Old Stock Yard	TSPM	µg/m ³	IS- 5182 (Part-4)	460.53
3.	Near Crusher	TSPM	µg/m ³	IS- 5182 (Part-4)	410.37
4.	Near Weigh Bridge	TSPM	µg/m ³	IS- 5182 (Part-4)	450.69

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	04.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Personnel Sampling Analysis (Core Zone)	Sampling Plan	SCECPL/SOP/PDS/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Respirable Suspended Particulate Matter (RSPM)	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/181/AA-201/01-04	Plant Status	Operational
Period of Analysis	07.07.2025 to 08.07.2025	Report Release Date	18.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS	Sample Collected Person Using PDS
1.	Near New Stock Yard	Respirable Suspended Particulate Matter	mg/m ³	NIOS 600 (15.08.1994)	0.64	Niranjan Singh
Permissible Limit of RSPM is 2 mg/m ³ as per CMR 2017 (Regulation- 143, Clause-2)						

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Ranjan
18/7/2025
Quality Manager
(Pvt.) Ranjan



*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)

Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000636F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	25.07.2025 to 26.07.2025	Sample Collected By	Amit Rajak & Team
Sample Receiving Date	28.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/195/AA-220/A/01-02	Plant Status	Operational
Period of Analysis	28.07.2025 to 29.07.2025	Report Release Date	31.07.2025
Meteorological Information	Average Ambient Temperature : 28.5°C, Barometric Pressure :993 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	32.72	38.83	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	62.46	78.21	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	17.40	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	20.52	24.43	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory



Piyush
31/07/2025
Quality Manager
(Piyush Ranjan)

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000637F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	25.07.2025 to 26.07.2025	Sample Collected By	Amit Kr. Rajak & Team
Sample Receiving Date	28.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/195/AA-220/B/01-02	Plant Status	Operational
Period of Analysis	28.07.2025 to 29.07.2025	Report Release Date	31.07.2025
Meteorological Information	Average Ambient Temperature : 28.5°C, Barometric Pressure :993 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	34.84	39.76	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	59.26	79.41	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	20.59	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	23.65	24.23	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory
Piyush Ranjan
31/07/2025
Quality Manager
(Piyush Ranjan)

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TC-9948



Let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000638F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	26.07.2025 to 27.07.2025	Sample Collected By	Amit Kr. Rajak & Team
Sample Receiving Date	28.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/195/AA-221/A/01-02	Plant Status	Operational
Period of Analysis	28.07.2025 to 29.07.2025	Report Release Date	31.07.2025
Meteorological Information	Average Ambient Temperature : 28.5°C, Barometric Pressure :993 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Padwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	31.83	39.63	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	55.08	85.37	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	17.40	22.55	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	19.54	24.62	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory
Piyush
31/07/2025
Quality Manager
(Piyush Ranjan)

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO SMALL & MEDIUM ENTERPRISES



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000639F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	26.07.2025 to 27.07.2025	Sample Collected By	Amit Kr. Rajak & Team
Sample Receiving Date	28.07.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/195/AA-221/B/01-02	Plant Status	Operational
Period of Analysis	28.07.2025 to 29.07.2025	Report Release Date	31.07.2025
Meteorological Information	Average Ambient Temperature : 28.5°C, Barometric Pressure :993 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Padwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	33.76	30.48	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	68.79	54.32	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2)	16.42	15.69	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6)	20.52	17.59	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory

Piyush
31/07/2025
Quality Manager
(Piyush Ranjan)

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000721F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	06.08.2025 to 07.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Scaled and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-238/A/01-02	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: **Near Site Office** (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: **Near Mine** (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	33.48	39.80	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	65.21	80.43	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	19.36	24.51	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	23.45	26.78	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet Yadav
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
12-08-25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory



Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TC-9948



let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000722F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	06.08.2025 to 07.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-238/B/01-02	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	35.68	41.74	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	63.39	82.57	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	19.36	20.34	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	25.21	23.45	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjet
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
Mizanur
12/08/25
Lab In Charge
(S.K.M. Mizanur Rahaman)



Authorized Signatory
Piyush
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC994825000000723F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	07.08.2025 to 08.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-239/A/01-02	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Padwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	32.57	41.13	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	62.29	87.41	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	18.63	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	21.50	25.60	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjeet Yadav
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
12-25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory



Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TC-9948



Let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000724F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	07.08.2025 to 08.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-239/B/01-02	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Padwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	32.77	31.38	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	65.82	59.44	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	15.69	16.42	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	19.35	18.76	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
12.08.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur
12.08.25
Lab in Charge
(S.K.M. Mizanur Rahaman)



Authorized Signatory

Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/43 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	07.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Sealed and Preserved
Sample Details	Fugitive Air	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Total Suspended Particulate Matter	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-240/01-04	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS
		Total Suspended Particulate Matter			
1.	Near New Stock Yard	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	435.19
2.	Near Old Stock Yard	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	486.31
3.	Near Crusher	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	450.46
4.	Near Weigh Bridge	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	475.92

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjeet Yadav
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
12-08-25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	07.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Sample Condition	Sealed and Preserved
Sample Details	Personnel Sampling Analysis (Core Zone)	Sampling Plan	SCECPL/SOP/PDS/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Respirable Suspended Particulate Matter (RSPM)	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/207/AA-241	Plant Status	Operational
Period of Analysis	09.08.2025 to 11.08.2025	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS	Sample Collected Person Using PDS
1.	Near New Stock Yard	Respirable Suspended Particulate Matter	mg/m ³	NIOS 600 (15.08.1994)	0.59	Niranjan Singh

Permissible Limit of RSPM is 2 mg/m³ as per CMR 2017 (Regulation- 143, Clause-2

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
12/08/25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
Lab.in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory



Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)

Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000727F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.08.2025 to 29.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	01.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/217/AA-255/A/01-02	Plant Status	Operational
Period of Analysis	01.09.2025 to 02.09.2025	Report Release Date	04.09.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1007 mBar Relative Humidity : 72% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	34.82	41.18	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	67.53	83.21	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2) : 2001	20.34	25.49	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6) : 2006	24.23	27.75	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ryade
4.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

M/04/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush
04/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TC-9948



Let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000728F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.08.2025 to 29.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	01.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/217/AA-255/B/01-02	Plant Status	Operational
Period of Analysis	01.09.2025 to 02.09.2025	Report Release Date	04.09.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1007 mBar Relative Humidity : 72% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: **Near Diesel Pump Area** (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: **Near OB Dump Area** (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	37.16	43.60	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	68.32	86.19	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2) : 2001	20.34	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6) : 2006	25.40	26.38	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjeet Yadav
4.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
04/09/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory



Piyush Ranjan
04/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000729F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/43 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	29.08.2025 to 30.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	01.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/217/AA-256/A/01-02	Plant Status	Operational
Period of Analysis	01.09.2025 to 02.09.2025	Report Release Date	04.09.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1007 mBar Relative Humidity : 72% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Padwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	36.79	40.60	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	70.82	85.41	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2) : 2001	22.55	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6) : 2006	27.56	25.60	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
4.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S. 04/09/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory



Piyush
04/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000730F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	29.08.2025 to 30.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	01.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/217/AA-256/B/01-02	Plant Status	Operational
Period of Analysis	01.09.2025 to 02.09.2025	Report Release Date	04.09.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1007 mBar Relative Humidity : 72% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Padwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	33.69	32.54	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	67.83	62.18	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2) : 2001	16.67	17.40	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6) : 2006	18.37	20.71	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet Yadav
4.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
04/09/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush Ranjan
04/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/43 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	29.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	01.09.2025	Sample Condition	Scaled and Preserved
Sample Details	Fugitive Air	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Total Suspended Particulate Matter	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/217/AA-257/01-04	Plant Status	Operational
Period of Analysis	01.09.2025 to 02.09.2025	Report Release Date	04.09.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1007 mBar Relative Humidity : 72% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS
		Total Suspended Particulate Matter			
1.	Near New Stock Yard	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4)	523.71
2.	Near Old Stock Yard	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4)	678.46
3.	Near Crusher	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4)	874.24
4.	Near Weigh Bridge	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4)	764.91

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet Yadav
4.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizarur Rahman
04/09/25
Lab In Charge
(S.K.M. Mizarur Rahman)



Authorized Signatory

Piyush Ranjan
04/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



TC-9948



Let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000834F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	09.09.2025 to 10.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-275/A/01-02	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	36.60	43.57	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	69.34	85.17	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	18.38	23.28	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	23.65	25.60	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
15/09/25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M.
15/09/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush
15/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000835F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	09.09.2025 to 10.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-275/B/01-02	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	39.41	44.12	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	70.36	87.53	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	19.36	20.34	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	23.45	25.41	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjet
15.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By
S.K.M. Mizanur
15/09/25
Lab in Charge
(S.K.M. Mizanur Rahaman)



Authorized Signatory
Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000836F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	10.09.2025 to 11.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Scaled and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-276/A/01-02	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Padwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	38.68	41.87	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	73.62	86.41	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	21.57	20.34	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	26.38	24.62	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
15.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizapur
15/09/25
Lab in Charge
(S.K.M. Mizapur Rahaman)

Authorized Signatory



Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TC-9948



let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000837F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	10.09.2025 to 11.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-276/B/01-02	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Padwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	34.85	30.64	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	68.73	60.81	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	15.69	18.63	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	17.59	20.33	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
15.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
15/9/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory



Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	10.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Personnel Sampling Analysis (Core Zone)	Sampling Plan	SCECPL/SOP/PDS/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Respirable Suspended Particulate Matter (RSPM)	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-278	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS	Sample Collected Person Using PDS
1.	Near New Stock Yard	Respirable Suspended Particulate Matter	mg/m ³	NIOS 600 (15.08.1994)	0.48	Pourush Singh
Permissible Limit of RSPM is 2 mg/m ³ as per CMR 2017 (Regulation- 143, Clause-2)						

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
15.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur
15/9/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
15/9/2025.
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	09.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Fugitive Air	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Total Suspended Particulate Matter	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/233/AA-277/01-04	Plant Status	Operational
Period of Analysis	12.09.2025 to 13.09.2025	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS
1.	Near New Stock Yard	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	490.24
2.	Near Old Stock Yard	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	495.91
3.	Near Crusher	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	478.54
4.	Near Weigh Bridge	TSPM	µg/m ³	IS 5182 (Part-4) : 1999	460.62

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet Yadav
15.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
15.09.25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TC-9948



lets start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000887F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	23.09.2025 to 24.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	26.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/247/AA-292/A/01-02	Plant Status	Operational
Period of Analysis	26.09.2025 to 27.09.2025	Report Release Date	06.10.2025
Meteorological Information	Average Ambient Temperature : 31.0°C, Barometric Pressure :1009 mBar Relative Humidity : 73% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	38.64	44.72	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	70.43	86.28	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	17.61	22.55	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 Part 6) : 2006	22.67	24.62	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
6.10.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
06.10.25
Lab In Charge
(S.K.M. Mizanur Rahman)



Authorized Signatory

Piyush Ranjan
06/10/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000888F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	23.09.2025 to 24.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	26.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/247/AA-292/B/01-02	Plant Status	Operational
Period of Analysis	26.09.2025 to 27.09.2025	Report Release Date	06.10.2025
Meteorological Information	Average Ambient Temperature : 31.0°C, Barometric Pressure :1009 mBar Relative Humidity : 73% Weather Condition – Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	41.16	46.79	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	75.63	89.20	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	20.34	21.57	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	25.41	26.38	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjeet Yadav
6/10/25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
06/10/25
Lab In Charge
(S.K.M. Mizanur Rahman)



Authorized Signatory

Piyush Ranjan
06/10/2023
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000889F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	24.09.2025 to 25.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	26.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/247/AA-293/A/01-02	Plant Status	Operational
Period of Analysis	26.09.2025 to 27.09.2025	Report Release Date	06.10.2025
Meteorological Information	Average Ambient Temperature : 31.0°C, Barometric Pressure :1009 mBar Relative Humidity : 73% Weather Condition – Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Pandwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	40.52	44.82	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	76.15	90.38	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	23.53	21.32	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	27.56	25.21	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjeet Yadav
6-10-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
06/10/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush Ranjan
06/10/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000890F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	24.09.2025 to 25.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	26.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Buffer Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/247/AA-293/B/01-02	Plant Status	Operational
Period of Analysis	26.09.2025 to 27.09.2025	Report Release Date	06.10.2025
Meteorological Information	Average Ambient Temperature : 31.0°C, Barometric Pressure :1009 mBar Relative Humidity : 73% Weather Condition – Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Pandwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-3)	RESULTS (Location-4)	Requirements as per NAAQS 2009
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	38.62	32.26	60 (µg/m ³)
2.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23) : 2006	72.91	65.43	100 (µg/m ³)
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	18.38	19.12	80 (µg/m ³)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 (Part 6) : 2006	19.35	22.87	80 (µg/m ³)

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet Yadav
6-10-25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
06/10/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush Ranjan
06/10/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	24.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	26.09.2025	Sample Condition	Sealed and Preserved
Sample Details	Fugitive Air	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Total Suspended Particulate Matter	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/247/AA-294/01-04	Plant Status	Operational
Period of Analysis	26.09.2025 to 27.09.2025	Report Release Date	06.10.2025
Meteorological Information	Average Ambient Temperature : 31.0°C, Barometric Pressure :1009 mBar Relative Humidity : 73% Weather Condition – Clear		

Duration of Sampling: 08 hours

B. TEST RESULTS

S.N.	Location Name	Parameter	UNIT	TEST METHOD	RESULTS
1.	Near New Stock Yard	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4) : 1999	669.31
2.	Near Old Stock Yard	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4) : 1999	714.56
3.	Near Crusher	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4) : 1999	815.74
4.	Near Weigh Bridge	Total Suspended Particulate Matter	µg/m ³	IS- 5182 (Part-4) : 1999	672.82

Remarks:

- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ran
6.10.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M.
06/10/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush
06/10/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000961F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	27.10.2025 to 28.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-326/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Site Office (Coordinates- 24°09'49.92"N to 84°03'35.34"E)
Location-2: Near Mine (Coordinates- 24°09'56.47"N to 84°03'11.05"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	23.65	25.90	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	20.72	22.20	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.35	0.58	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361);2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjet Yadav
01/11/25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahaman
01/11/25
Lab-in Charge
(S.K.M. Mizanur Rahaman)

*** END OF REPORT ***



Authorized Signatory
Piyush Ranjan
01/11/2025
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000962F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	27.10.2025 to 28.10.2025	Sample Collected By	Vivek Kr. Malakar & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-328/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition - Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Diesel Pump Area (Coordinates- 24°09'53.26"N to 84°03'8.88"E)
Location-4: Near OB Dump Area (Coordinates- 24°09'51.27"N to 84°03'8.84"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	22.46	23.17	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	19.61	21.83	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.47	0.47	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Reviewed By

Authorized Signatory

Sr. Analyst
(Ranjeet Yadav)

Lab in Charge
(S.K.M. Mizanur Rahaman)

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000963F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.10.2025 to 29.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Scaled and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-327/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Pandwa Office (Old) (Coordinates- 24°09'47.92"N to 84°03'43.29"E)
Location-2: Near Railway Siding (Coordinates- 24°09'34.89"N to 84°02'56.73"E)
Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	18.66	17.35	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	17.76	15.91	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.70	0.58	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By
Ranjet
Sr. Analyst
(Ranjet Yadav)

Reviewed By
S.K.M. Mizanur Rahaman
Lab in Charge
(S.K.M. Mizanur Rahaman)
*** END OF REPORT ***

Authorized Signatory
Piyush Ranjan
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000964F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	28.10.2025 to 29.10.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	30.10.2025	Sample Condition	Sealed and Preserved
Sample Details	Ambient Air (Core Zone)	Sampling Plan	SCECPL/SOP/SAMP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Type of Sample	Suspended Dust and Gases	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/262/AA-329/A/01-02	Plant Status	Operational
Period of Analysis	30.10.2025 to 31.10.2025	Report Release Date	01.11.2025
Meteorological Information	Average Ambient Temperature : 20.50°C, Barometric Pressure :1011 mBar Relative Humidity : 74% Weather Condition – Cloudy		

A. GENERAL INFORMATION

Location of Sampling: Location-3: Near Pandwa Middle School (Coordinates- 24°10'9.03"N to 84°03'48.01"E)
Location-4: Near R & R Colony (Coordinates- 24°09'17.18"N to 84°02'32.97"E)

Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements as per NAAQS 2009
1	Ozone as O ₃	µg/m ³	IS 5182 (Part 9) : 1974	16.40	18.89	180 (µg/m ³)
2	Ammonia as NH ₃	µg/m ³	IS 5182 (Part 25) : 2018	18.13	14.80	400 (µg/m ³)
3	Lead as Pb	µg/m ³	IS 5182 (Part 22) : 2004	BDL (MDL- 0.2)	BDL (MDL- 0.2)	1 (µg/m ³)
4	Carbon Monoxide as CO	µg/m ³	IS 5182 (Part 10) : 1999	0.58	0.35	4 (mg/m ³)
5	Benzene as C ₆ H ₆	µg/m ³	IS 5182 (Part 11) : 2006	BDL (MDL- 0.01)	BDL (MDL- 0.01)	5 (µg/m ³)
6	Benzo Pyrene as BaP	ng/m ³	IS 5182 (Part 12) : 2004	BDL (MDL- 0.01)	BDL (MDL- 0.01)	01 (ng/m ³)
7	Arsenic as As	ng/m ³	Method of Air sampling & Analysis 3rd Ed. By James P. Lodge (Method 300 Metals P. No. 361):2012	BDL (MDL- 0.01)	BDL (MDL- 0.01)	06 (ng/m ³)
8	Nickel as Ni	ng/m ³	IS 5182 (Part 26) : 2020	BDL (MDL- 0.01)	BDL (MDL- 0.01)	20 (ng/m ³)

Remarks: Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Radew
01.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

[Signature]
01.11.25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush
01/11/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***





WATER FLOW METER						
Aug-25	ELECTRIC PUMP			DIESEL PUMP		
Date	Shift-1st	Shift-2nd	Shift-3rd	Shift-1st	Shift-2nd	Shift-3rd
01-08-2025	242.12	263.54	325.63	468.2	485.23	475.25
02-08-2025	356.23	258.63	328.75		459.85	514.41
03-08-2025	320.19	363.21	289.55		455.23	428.56
04-08-2025	150.89	189.55	215.32	451.25	478.87	525.45
05-08-2025	340.25	351.09	299.54		541.53	
06-08-2025	355.5	369.12	335.14	575.96		586.54
07-08-2025	295.88	396.89	405.12		568.78	
08-08-2025	310.28	386.23	412.55	483.06	499.56	557.45
09-08-2025	256.98	474.75	383.56		543.33	544.45
10-08-2025	402.03	411.65	466.33	546.23	565.7	495.29
11-08-2025	411.23	445.88	485.65		568.06	595.1
12-08-2025	383.83	402.48	455.52	607.46		383.95
13-08-2025	275.26	293.63	245.44	453.81	599.27	
14-08-2025	266.64	270.24	278.8		567.03	593.96
15-08-2025	322.45	299.77	275.52	488.75		512.45
16-08-2025	290.83	280.96	313.25		525.45	491.21
17-08-2025	285.63	286.92	333.14		560.2	523.56
18-08-2025	298.53	300.32	369.47	580.64		529.74
19-08-2025	301.23	299.54	307.8	579.85	499.21	
20-08-2025	277.89	300.72	385.41	561.56	568.13	570.83
21-08-2025	354.01	415.21	411.12	554.23	497.27	
22-08-2025	314.16	370.14	318.86	587.74	586.56	588.8
23-08-2025	320.12	477.02	391.02		458.69	
24-08-2025	301.21	323.23	402.21	470.85	550.45	591.24
25-08-2025	288.52	316.7	290.28		567.76	563.78
26-08-2025	345.56	375.72	401.2	523.62	563.8	568.43
27-08-2025	323.17	324.12	323.11	469.75	533.71	494.54
28-08-2025	309.75	289.21	82.28	478.52	480.86	488.21
29-08-2025	385.45	401.73	390.81		596.45	603.45
30-08-2025	310.71	289.98	325.23	488.49	489.01	380.58
31-08-2025	310.29	296.63	294.07	474.85	326.98	493.41



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000570F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Core Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water & Mine Pit Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-136 & 137	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 3 – Settling Pond (24°9'52.39"N to 84° 3'1.85"E)	
		Location 4 – Mine Pit (24°9'56.18"N to 84° 3'7.79"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 3	Location 4
1	pH@25°C	---	IS 3025: P- 11	7.93	7.60
2	Temperature	°C	IS 3025: P- 09	25.8	25.9
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	261.3	530.0
4	Turbidity	NTU	IS 3025: P- 10	64.5	11.0
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	39.5	19.5
6	Total Dissolved Solids @ 180°C	mg/L	IS 3025: P- 16	261.0	340.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	37.30	24.19
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	11.0	6.7
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	51.5	44.6



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC99482500000570F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Biological	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Core Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-136 & 137	Service Order	FCPL /RNC/25-26/48
		Reference	(Date-18.06.2025)
Period of Analysis	07.07.2025 to 10.07.2025	Location 3 –Settling Pond (24°9'52.39"N to 84° 3'1.85"E)	
		Location 4– Mine Pit (24°9'56.18"N to 84° 3'7.79"E)	
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		
		Report Release Date	14.07.2025

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location-3	Location-4
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	670	880

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)

Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TC-9948



Let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000733F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Pollution & Environment
Discipline	Chemical	Sample Collected By	Mr. R. Rahman
Date of Sampling	29.08.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	01.09.2025	Sampling Plan	SCECPL/SOP/SAMP/WVA/01
Type of Sample	Waste Water	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/217/WT-162	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location: – Settling Pond Coordinate:- (24°9'52.39"N to 84° 3'1.85"E)	
Period of Analysis	01.09.2025 to 03.09.2025	Report Release Date	04.09.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit	Result	Limit For Discharge of Environmental Pollutants Part-A : Effluents, EPR 1986
1	Arsenic (as As)	mg/L	IS 3025 (Part 37) : 2022	0.05	BDL	0.2
2	Nickel (as Ni)	mg/L	IS 3025 (Part 54a) : 2019	0.05	BDL	3.0
3	Total Chromium (as Cr)	mg/L	IS 3025 (Part 52i) : 2019	0.05	BDL	2.0

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
4.09.25

**Sr. Analyst
(Ranjeet Yadav)**

Reviewed By

S.K.M. Mizanur Rahaman
04/09/25

**Lab in Charge
(S.K.M. Mizanur Rahaman)**

Authorized Signatory



Piyush
04/09/2025

**Quality Manager
(Piyush Ranjan)**

*** END OF REPORT ***



TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Pollution & Environment
Discipline	Chemical	Sample Collected By	Mr. R. Rahman
Date of Sampling	29.08.2025	Sample Condition	Scaled & Preserved
Date of Sample Receiving	01.09.2025	Sampling Plan	SCECPL/SOP/SAMP/WA/01
Type of Sample	Waste Water	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/217/WT-162	Service Order Reference	FCPL/RNC/25-26/48 (Date-18.06.2025)
		Location: – Settling Pond Coordinate:- (24°9'52.39"N to 84° 3'1.85"E)	
Period of Analysis	01.09.2025 to 03.09.2025	Report Release Date	04.09.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit	Result	Limit For Discharge of Environmental Pollutants Part-A : Effluents, EPR 1986
1	Arsenic as As	mg/L	IS: 3025 PART-37, 2022	0.05	BDL	0.2
2	Nickel as Ni	mg/L	IS: 3025 PART-54a, 2019	0.05	BDL	3.0
3	Total Chromium as Cr	mg/L	IS: 3025 PART-52i, 2019	0.05	BDL	2.0

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
4.09.25
Sr. Analyst

(Ranjet Yadav)

Reviewed By

S.K.M.
04/09/25
Lab In Charge

(S.K.M. Mizanur Rahman)



Authorized Signatory

Piyush
04/09/2025
Quality Manager

(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Pollution & Environment
Discipline	Chemical	Sample Collected By	Mr. R. Rahman
Date of Sampling	29.08.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	01.09.2025	Sampling Plan	SCECPL/SOP/SAMP/WA/01
Type of Sample	Waste Water	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/217/WT-162	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location: – Settling Pond Coordinate:- (24°9'52.39"N to 84° 3'1.85"E)	
Period of Analysis	01.09.2025 to 03.09.2025	Report Release Date	04.09.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit	Result	Limit For Discharge of Environmental Pollutants Part-A : Effluents, EPR 1986
1	Cadmium as Cd	mg/L	APHA 3111 B, 24 th Ed., 2023	0.001	0.0129	2.0
2	Mercury as Hg	mg/L	APHA 3111 D, 24 th Ed., 2023	0.001	BDL	0.01

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Tested By

Ranjet
4-09-25

Sr. Analyst

(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
04/09/25

Lab In Charge

(S.K.M. Mizanur Rahman)



Authorized Signatory

Piyush
04/09/2025

Quality Manager

(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

Compliance Report of stipulated conditions of Consent to Operate (CTO) for RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT

Annexure - 10



Figure – 4 Online monitoring systems for ambient air quality



CALL US
0651-3511076 / +91-9153966167

EMAIL US
contactus@fairminegroup.com



- HOME
- ABOUT US
- BUSINESS
- CAREERS
- INVESTORS
- SUSTAINABILITY
- EVENTS
- CONTACT US

Fairmine Group

We believe in the vision "To actively contribute to the social and economic development of the communities where we work"

HOME > CORPORATE ANNOUNCEMENT

Corporate Announcement

Date	Title	View
2025-10-25 20:01:11	22	
2025-10-25 20:00:35	wwe	
2025-07-03 14:37:48	HALF YEARLY EC COMPLIANCE OCT 24 TO MARCH 25	
2024-05-31 11:59:00	EC COMPLIANCE 2024	
2024-05-31 11:59:00	ENVIRONMENT CLEARANCE CERTIFICATE	
2024-05-31 11:55:47	Environment Monitoring Data	



UFMA0463
2025040252254



Product ID PIZC0241

Serial No 2025050352512

files to upload 17

Message -

version 1.0.17

Sim No 405870706895614

CSPN ind-jio



Dashboard



Setup



Connect



Backup



Device Info



Piezometer

WL: 015.75 MWD
WT: 99.0 #C

4G



Engineering &
Environmental
Solutions Pvt. Ltd.

GWLR-BT-01 (Telemetric)
Digital Ground Water Level Recorder

© All rights reserved. For more information visit www.egesolutions.com or contact us at 080-281221220



FAIRMINE CARBONS PVT LTD

PURCHASE ORDER FOR ENVIRONMENTAL MONITORING
FAIRMINE CARBONS PVT LTD

Ranchi, Jharkhand, India, 834001.

CIN No. U23200JH2020PTC014511, PAN-AAECF1244J

Vendor Code	FCPL/RNC/142	Order No	FCPL/RNC/25-26/48	Date	18.06.2025
Vendor Name	Sabz Care Environmental Consultancy Pvt. Ltd.	Amendment No	0	Date	NA
Vendor Address	Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist- Deoghar-815353 Jharkhand	Offer/Ref No	NFA-DTO/25-26/82		30.05.2025
Vendor Contact	09334315731/7563048389	Validity Start / End	18.06.2025 to 17.06.2026		
Vendor Email	sceplmdp@gmail.com	PO Category	Project	Curr.	INR
Contact Person		Buyer Name	Fairmine Carbons Private Limited		
GSTIN (Invoicing Party)	GSTIN-20AAXCS2937G1Z5	Buyer Contact	Abhishek Kumar 6202515090		
Vendor PAN No	AAXCS2937G	Buyer Email	fairminecarbons@gmail.com		
Service tax No	NA	GSTIN of Business Party	20AAECF1244J1Z4		

ORDER FOR ENVIRONMENTAL MONITORING

NON-ACKNOWLEDGEMENT OF THIS ORDER WITHIN 7 DAYS WILL BE CONSIDERED AS ACCEPTED BY YOU.

Abhishek

A. Item description

<u>Sl no.</u>	<u>Standard</u>	<u>Particulars</u>	<u>Parameters to be monitored, analyzed</u>	<u>Frequency of monitoring</u>	<u>No of Samples per annum</u>	<u>Rate per sample</u>	<u>Amount in Rs</u>
1	AAQ Monitoring	Within core zone:4 locations	PM10, PM2.5, SOX & Nox as per EC	Twice in a month. One sample over 24-hour continuous duration, once in a Fortnight throughout the year	96	1,175/-	1,12,800/-
2		Within Buffer zone:4 Locations			96	1,175/-	1,12,800/-
3	AAQ Monitoring	Within core zone:4 locations	Hg, As, NH3, Pb, Ni, Cd & Cr in SPM and RSPM, C6H6, Bap, As, Ni, O3, CO as per CTO & EC	Once in six months (Half Yearly)	8	1,475/-	11,800/-
4		Within Buffer zone:4 Locations			8	1,475/-	11,800/-
5	Fugitive emission	Dust Generation Sources in the core zone:5 Location	Suspended particulate Matter (Coal Dust) and silica content as per GSR	Twice in a Month one sample over 24-hour continuous duration once in a fortnight throughout the year	96	1,175/-	11,2800/-
6	Water quality	Surface water analysis in core (2) & Buffer zone: (2) locations	All parameters as per IS:2296 & EC condition pH, Temp, Turbidity, conductivity, TSS, TDS, COD, BOD, coliform Bacteria, Oil & Grease	Quarterly as per EC condition	16	1,260/-	20,160/-

Abhishek

7	Water Quality	Surface water analysis in core (2) & Buffer zone (2) Locations	All parameters as per IS:10500 & EC condition	Once in a Quarter	16	1,260/-	20,160/-	
8	Water Quality	Surface water (settling pond) and Groundwater from core and buffer zone	Heavy metals (Hg, As, Ni, Cd, Cr)	Once in a year (August)	4	1,260/-	5,040/-	
9	Water Quality	Ground water level measurement in dug wells located in core zone and buffer zone (8 location) as per CGWB	Water level measurement	During the month of January, May, Aug & Nov	32	460/-	14,720/-	
10	Soil Quality Analysis			Once in a Quarter	8	1,260/-	10,080/-	
11	Noise Quality	Within core zone: 4	As per CPCB/SPCB & EC	Once in a month	48	460/-	22,080/-	
12		Locations Within Buffer zone:4 Location			48	460/-	22,080/-	
13	Sampling & Analysis of Air Using personal dust sampler (PDS)			Once in a month	12	1,175/-	14,100/-	
14	Land Use Pattern Map of Mine Lease area based on Satellite Image on Scale 1:50000 (once in 3 years)			Once in a year	1	25,500/-	25,500/-	
15	Preparation & Submission of Half Yearly EC-Compliance Report & CTO compliance including Environmental statement (From-5)			Once in six months	2	13,000/-	26,000/-	
16	Service charge for NOC from CGWA except Liasson & Govt. fees				1	15,000/-	15,000/-	
17	Water Audit by certified water Auditor (Optional)				1	2,00,000/-	2,00,000/-	
Total								7,56,920/-

Abhishek

Total Purchase Order cost 7,56,920/-/-

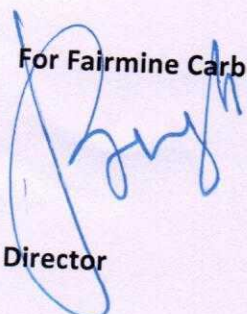
Seven Lakh Fifty-Six Thousand Nine Hundred Twenty Only.

ORDER FOR ENVIRONMENTAL MONITORING

Term & Conditions:

- 100% Payment after Completion and submission of Report (Monthly). *after verify*
- Other than Monitoring works, advance payment of 50% of Service charge as mention in above table.
- GST Extra as applicable
- Lodging of staff are in the scope of FCPL.
- Relevant document shall be provided by the FCPL.

For Fairmine Carbons Pvt Ltd


Director

Abhishek



ENGINEERING AND ENVIRONMENTAL SOLUTIONS

Add: Factory No. E32, CDF Industrial Area, Aligarh (U.P) 202122

Web: www.enggenv.com, E-mail: info@enggenv.com

Contact: +91-7302090415

Calibration Certificate

Page No.1 of 1

Customer Name & Address	Certificate No.	EESPL/GWLR/886
DHANESH TOOLS AND ENTERPRISES C/O NEAR OLD PRIYA HOTEL, BHAKERGANJ, PATNA (BIHAR) INDIA – 800004.	Date of Issue	11.06.2025
	Date of calibration	11.06.2025
	Calibration Valid Upto	10.06.2026
	Service request no. & Date	

Instrument Detail			
Name	Ground Water Level Recorder	Least Count	---
Make	E&E SOLUTIONS	Accuracy/Acceptacne	---
Model	GWLR-AT-01	Visual Inspection	OK
Sr. No	202505032512	Zero Error	Not Found
ID No	PIZC0241	Location	Outlet
Range/Size	---	DUC Location	---

Standard Instruments used for Calibration				
SI	Instrument Name	Calibrated By	Calibration Certificate No	Calibration Validity
1	Water Sound Beeper	Bhagwati Calibration Lab Pvt Lt	BCL/2024/1502F	21.07.2025

Environmental Condition			
Temperature (°C)	25 ± 3	Humidity (%RH)	35 to 70

Calibration Result			
S.No	Actual Reading (m)	DUC Reading (m)	Error (%)
1	10.00	10.01	0.10
2	20.00	20.01	0.05
3	30.00	30.01	0.03

Results presented in this calibration certificate relates only to the item mentioned
The calibration results reported in this certificate are valid at the time of and under the stated conditions.
The uncertainties are for a confidence probability not less than 95%, unless specified otherwise
EES is not responsible for any change in results of instrument after calibration
This certificate shall not be reproduced except in full without written permission of Engineering and Environmental Solutions.
DUC stands for Device Under Calibration.

Calibrated by

Report prepared by

Approved by





ENGINEERING AND ENVIRONMENTAL SOLUTIONS

Add: Factory No. E32, CDF Industrial Area, Aligarh (U.P) 202122

Web: www.enggenv.com, E-mail: info@enggenv.com

Contact: +91-7302090415

Calibration Certificate

Page No.1 of 1

Customer Name & Address	Certificate No.	EESPL/GWLR/811
FAIRMINE CORBONS PVT LTD. VILLAGE PANDWA, COLLERY MOD, POST- RAJHARA, OPPOSITE, PANDWA POLICE STATION PALAMU, JH -822124.	Date of Issue	18.04.2025
	Date of calibration	18.04.2025
	Calibration Valid Upto	17.04.2026
	Service request no. & Date	

Instrument Detail			
Name	Ground Water Level Recorder	Least Count	—
Make	E&E SOLUTIONS	Accuracy/Acceptance	—
Model	GWLR-BT-01	Visual Inspection	OK
Sr. No	2025010351925	Zero Error	Not Found
ID No	PIZC0090	Location	Outlet
Range/Size	—	DUC Location	—

Standard Instruments used for Calibration				
SI	Instrument Name	Calibrated By	Calibration Certificate No	Calibration Validity
1	Water Sound Beeper	Bhagwati Calibration Lab Pvt Lt	BCL/2024/1502F	21.06.2025

Environmental Condition			
Temperature (°C)	25 ± 3	Humidity (%RH)	35 to 70

Calibration Result			
S.No	Actual Reading (m)	DUC Reading (m)	Error (%)
1	10.00	10.01	0.10
2	20.00	20.02	0.10
3	30.00	30.01	0.03

Results presented in this calibration certificate relates only to the item mentioned
The calibration results reported in this certificate are valid at the time of and under the stated conditions.
The uncertainties are for a confidence probability not less than 95%, unless specified otherwise
EES is not responsible for any change in results of instrument after calibration
This certificate shall not be reproduced except in full without written permission of Engineering and Environmental Solutions.
DUC stands for Device Under Calibration.

Calibrated by

Report prepared by

Approved by





TEST REPORT

Name of Industry	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Sample Collected by	Md. R. Rahman & Team
Date of Sampling	06.08.2025	Sampling done by	Sabz Care Lab
Sample Details	Ground Water Level	Sampling Method	Manual
		Location	Core & Buffer Zone
Sample ID	SCECPL/TR/25/207/WL-04	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

TEST REPORT

S.N.	Location	Co-Ordinate	Unit	Test Method	Result
1.	Bankheta Well -1	24°09'9.39"N to 84°05'31.82"E	Meter	Manual	2.0
2	Bankheta Well -2	24°09'15.34"N to 84°05'10.99"E	Meter	Manual	4.9
3	Bankheta Well -3	24°09'29.41"N to 84°04'25.74"E	Meter	Manual	4.2
4	Parwa Chat Ghat Well	24°09'49.92"N to 84°03'35.34"E	Meter	Manual	2.2
5	Banarchua Well- 1	24°10'12.31"N to 84°03'32.88"E	Meter	Manual	1.5
6	Banarchua Well- 2	24°10'4.56"N to 84°03'55.96"E	Meter	Manual	1.2
7	Parwa Well – 01	24°10'32.30"N to 84°04'13.64"E	Meter	Manual	5.9
8	Parwa Well - 03	24°10'25.34"N to 84°03'54.88"E	Meter	Manual	2.2

Tested By

Ranjet
12-08-25
Sr. Analyst

(Ranjeet Yadav)

Reviewed By

S.K.M.
12-08-25
Lab in Charge

(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush
12/08/2025

Quality Manager

(Piyush Ranjan)



*** END OF REPORT ***





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000569F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water	Sample Drawn By	Sabz Care Lab
Sample Details	River Water (Core Zone)	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-134 & 135	Service Order Reference	FCPL/RNC/25-26/48 (Date-18.06.2025)
		Location 1 – Sadabah River (Upstream) (24°10'4.74"N to 84° 3'4.37"E) Location 2 –Sadabah River (Downstream) (24°9'55.37"N to 84° 3'17.91"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 1	Location 2
1	pH@25°C	---	IS 3025: P- 11	8.01	8.07
2	Temperature	°C	IS 3025: P- 09	27.0	26.0
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	422.2	412.7
4	Turbidity	NTU	IS 3025: P- 10	15.3	14.2
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	32.3	29.1
6	Total Dissolved Solids @180°C	mg/L	IS 3025: P- 16	264.0	251.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	18.14	18.14
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	5.4	5.3
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	BDL (MDL= 3.0)	BDL (MDI= 3.0)



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC99482500000569F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit, MDL- Minimum Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory



Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Biological	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water	Sample Drawn By	Sabz Care Lab
Sample Details	River Water (Core Zone)	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-134 & 135	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 1 – Sadabah River (Upstream) (24°10'4.74"N to 84° 3'4.37"E) Location 2 – Sadabah River (Downstream) (24°9'55.37"N to 84° 3'17.91"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 1	Location 2
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	2200	2320

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TC-9948



lets start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000570F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Core Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water & Mine Pit Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-136 & 137	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 3 – Settling Pond (24°9'52.39"N to 84° 3'1.85"E)	
		Location 4 – Mine Pit (24°9'56.18"N to 84° 3'7.79"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 3	Location 4
1	pH@25°C	---	IS 3025: P- 11	7.93	7.60
2	Temperature	°C	IS 3025: P- 09	25.8	25.9
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	261.3	530.0
4	Turbidity	NTU	IS 3025: P- 10	64.5	11.0
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	39.5	19.5
6	Total Dissolved Solids @ 180°C	mg/L	IS 3025: P- 16	261.0	340.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	37.30	24.19
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	11.0	6.7
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	51.5	44.6



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC99482500000570F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Biological	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Core Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Settling Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-136 & 137	Service Order	FCPL /RNC/25-26/48
		Reference	(Date-18.06.2025)
Period of Analysis	07.07.2025 to 10.07.2025	Location 3 –Settling Pond (24°9'52.39"N to 84° 3'1.85"E)	
		Location 4– Mine Pit (24°9'56.18"N to 84° 3'7.79"E)	
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		
		Report Release Date	14.07.2025

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location-3	Location-4
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	670	880

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)

Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000571F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Buffer Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	River Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-138 & 139	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 5 – Sadabah River near Chatth Ghat (Parwa Village (24°10'13.94"N to 84° 3'25.67"E) Location 6 – Sadabah River Downstream near R & R Colony (24°9'22.67"N to 84° 2'31.87"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 5	Location 6
1	pH@25°C	---	IS 3025: P- 11	8.02	8.16
2	Temperature	°C	IS 3025: P- 09	26.1	26.1
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	460.0	509.0
4	Turbidity	NTU	IS 3025: P- 10	31.6	27.1
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	21.5	24.3
6	Total Dissolved Solids @ 180°C	mg/L	IS 3025: P- 16	305.0	301.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	19.15	21.17
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	5.8	6.4
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	BDL (MDL= 3.0)	BDL (MDL= 3.0)



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC994825000000571F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

- Class A: Drinking Water Source without conventional treatment but after disinfection
- Class B: Outdoor bathing (Organised)
- Class C: Drinking water source after conventional treatment and disinfection
- Class D: Propagation of Wild life and Fisheries
- Class E: Irrigation, Industrial Cooling, Controlled Waste disposal
- Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit, MDL = Minimum Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush Ranjan
 14/07/2025
 Quality Manager
 (Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Buffer Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	River Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-138 & 139	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 5 – Sadabah River near Chatth Ghat (Parwa Village (24°10'13.94"N to 84° 3'25.67"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Location 6 –Sadabah River Downstream near R & R Colony : (24°9'22.67"N to 84° 2'31.87"E)	
		Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 5	Location 6
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	2318	2260

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000572F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Buffer Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-140 & 141	Service Order Reference	FCPL/RNC/25-26/48 (Date-18.06.2025)
		Location 7 – Pond near Lohda Village (24°9'29.73"N to 84° 4'4.20"E)	
		Location 8 – Pond near Paharchua Village (24°10'5.19"N to 84° 3'58.33"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 7	Location 8
1	pH@25°C	---	IS 3025: P- 11	7.54	7.96
2	Temperature	°C	IS 3025: P- 09	25.8	25.3
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	342.0	553.0
4	Turbidity	NTU	IS 3025: P- 10	16.1	18.3
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	11.4	13.10
6	Total Dissolved Solids @ 180°C	mg/L	IS 3025: P- 16	221.0	334.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	31.25	40.32
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	8.7	12.0
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	3.27	3.91



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC994825000000572F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B : Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
 14/07/2025
 Quality Manager
 (Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Biological	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water (Buffer Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Pond Water	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-140 & 141	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 7– Pond near Lohda Village (24°9'29.73"N to 84° 4'4.20"E)	
		Location 8– Pond near Paharchua Village (24°10'5.19"N to 84° 3'58.33"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 7	Location 8
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	1140	1220

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000573F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Pollution & Environment
Discipline	Chemical	Sample Collected by	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed and Preserved
Sample Receiving Date	07.07.2025		
Type of Sample	Soil (Core Zone)	Sample Drawn By	Sabz Care Lab
Sample Details	Soil	Sampling Method	Soil Testing Manual of Department of Agriculture & Cooperation Ministry of Agriculture, Govt. Of India, Dated January 2011
Sample ID	SCECPL/TR/25/181/SL-02 & 03	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location With Coordinate Location 1: Near Mine (Coordinate- 24°09'52.35"N to 84°03'2.55"E) Location 2: Near Old Coal Stock Yard (Coordinate- 24° 9'57.28"N to 84° 2'59.57"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

S.N.	Parameter	Unit	Test Method	Limit of Detection	Results	
					Location 1	Location 2
1.	pH@25°C	-	IS : 2720 Part-26	4 to 10	6.62	6.67
2.	Electrical Conductivity	µs/cm	IS 14767: 2016	5Aps/cm to 20000 Aps/cm	187.7	194.6
3.	Calcium Carbonate	% By weight	IS : 2720 PART-23	1 % by wt. to 50 % by wt.	11.7	13.1
4.	Moisture	%	IS : 2720 Part-2	1 % to 50%	21.30	21.60
5.	Chloride as Cl	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 2000 mg/kg	21.3	24.2
6.	Sulphate as SO ₄	mg/kg	IS : 2720 Part-27	1 mg/kg to 500 mg/kg	38.3	41.1
7.	Phosphorous as P	mg/kg	IS : 10158	1 mg/kg to 1000 mg/kg	9.70	10.20
8.	Organic Matter	% By weight	IS : 2720 PART-22	2 % by wt. to 10 % by wt.	0.46	0.48
9.	Organic Carbon	% By weight	IS : 2720 PART-22	1 % by wt. to 5 % by wt.	0.23	0.24
10.	Salinity	ppt	SCECPL/SOP/SA/01	1 ppt to 10000 ppt	BDL	BDL
11.	Sand	%	IS 2720 Part- 4	2 % to 95%	59.10	59.30
12.	Silt	%	IS 2720 Part- 4	2 % to 95%	17.90	17.50
13.	Clay	%	IS 2720 Part- 4	2 % to 90%	23.00	23.20

Authorized Signatory



Piyush
Quality Manager
(Piyush Ranjan)
14/07/2025





TEST REPORT

ULR No.- TC99482500000573F

S.N.	Parameter	Unit	Test Method	Limit of Detection	Results	
					Location 1	Location 2
14.	Colour	-	SCECPL/SOP/SA/01	Qualitative	Brownish	Brownish
15.	Sulphur	mg/kg	IS 14685	7 mg/kg to 1000 mg/kg	20.8	22.7
16.	Texture	Qualitative	IS 2720 Part-4	Qualitative	Sandy Clay Loam	Sandy Clay Loam
17.	Total Alkalinity	mg/kg	SCECPL/SOP/SA/01	0.4 mg/kg to 22.5 mg/kg	8.2	7.9
18.	Total Phosphate	mg/kg	IS 10158	1 mg/kg to 1000 mg/kg	564	557
19.	Water Holding Capacity	%	IS 14765	1 % to 95%	39.30	40.10
20.	Ammonia	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 100 mg/kg	BDL	BDL
21.	Bicarbonate	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 100 mg/kg	BDL	BDL
22.	Boron	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 100 mg/kg	BDL	BDL
23.	Bulk Density	gm/cm ³	IS 2720 Part-7	1.1 gm/cm ³ to 3 gm/cm ³	1.48	1.50
24.	Calcium as Ca	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 2000 mg/kg	5370.30	5330.80
25.	Cation Exchange Capacity	meq/100 g	IS 2720 Part-24	1 meq/100 gm to 50 meq/100 gm	1.44	1.40
26.	Infiltration Rate	cm/hrs	SCECPL/SOP/SA/01	0.1 cm/hrs to 10 cm/hrs	9.7	9.6
27.	Magnesium as Mg	mg/kg	SCECPL/SOP/SA/01	1 mg/kg to 2000 mg/kg	26.32	26.12

Remarks:

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000569F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Chemical	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water	Sample Drawn By	Sabz Care Lab
Sample Details	River Water (Core Zone)	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-134 & 135	Service Order Reference	FCPL/RNC/25-26/48 (Date-18.06.2025)
		Location 1 – Sadabah River (Upstream) (24°10'4.74"N to 84° 3'4.37"E) Location 2 –Sadabah River (Downstream) (24°9'55.37"N to 84° 3'17.91"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure : 1001 mBar, Relative Humidity : 64% Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 1	Location 2
1	pH@25°C	---	IS 3025: P- 11	8.01	8.07
2	Temperature	°C	IS 3025: P- 09	27.0	26.0
3	Electrical Conductivity	µS/cm	IS 3025: P- 14	422.2	412.7
4	Turbidity	NTU	IS 3025: P- 10	15.3	14.2
5	Total Suspended Solids @105°C	mg/L	APHA 2540 D: 23rd Ed.	32.3	29.1
6	Total Dissolved Solids @180°C	mg/L	IS 3025: P- 16	264.0	251.0
7	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23rd Ed.	18.14	18.14
8	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025: P- 44	5.4	5.3
9	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed.	BDL (MDL= 3.0)	BDL (MDI= 3.0)



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)





TEST REPORT

ULR No.- TC99482500000569F

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
2.	Dissolved Oxygen (as O ₂), mg/L	6	5	4	4	-
3.	BOD, 5 days at 20 °C, mg/L	2	3	3	-	-
4.	Electrical Conductivity	-	-	-	-	2250

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit, MDL- Minimum Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025

Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TEST REPORT

Name of Customer	Fairmine Carbons Pvt. Ltd.	Particular of the Plant	Coal Mines
Address	Rajhara & Pandwa, P.O. – Pandwa Dist. – Palamu, Jharkhand	Group	Water
Discipline	Biological	Sample Collected By	Mr. Ranjeet Yadav
Date of Sampling	05.07.2025	Sample Condition	Sealed & Preserved
Date of Sample Receiving	07.07.2025	Sampling Plan	SCECPL/SOP/WA/01
Type of Sample	Surface Water	Sample Drawn By	Sabz Care Lab
Sample Details	River Water (Core Zone)	Sampling Method	IS 17614 Part 1: 2021
Sample ID	SCECPL/TR/25/181/WT-134 & 135	Service Order Reference	FCPL /RNC/25-26/48 (Date-18.06.2025)
		Location 1 – Sadabah River (Upstream) (24°10'4.74"N to 84° 3'4.37"E) Location 2 – Sadabah River (Downstream) (24°9'55.37"N to 84° 3'17.91"E)	
Period of Analysis	07.07.2025 to 10.07.2025	Report Release Date	14.07.2025
Meteorological information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar, Relative Humidity : 64% - Weather Condition – Cloudy		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	
				Location 1	Location 2
1	Total Coliforms	MPN/100 ml	APHA 9222B: 23rd Ed.	2200	2320

Water Quality Criteria as per Central Pollution Control Board is as follows-

S. N.	Parameters	Class A	Class B	Class C	Class D	Class E
1.	Total Coliforms	50 or less	500 or less	5000 or less	-	-

Class A: Drinking Water Source without conventional treatment but after disinfection

Class B: Outdoor bathing (Organised)

Class C: Drinking water source after conventional treatment and disinfection

Class D: Propagation of Wild life and Fisheries

Class E: Irrigation, Industrial Cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D & E Criteria

Note-

- BDL= Below Detection Limit
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.



Authorized Signatory

Piyush
14/07/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES







Annexure - 14



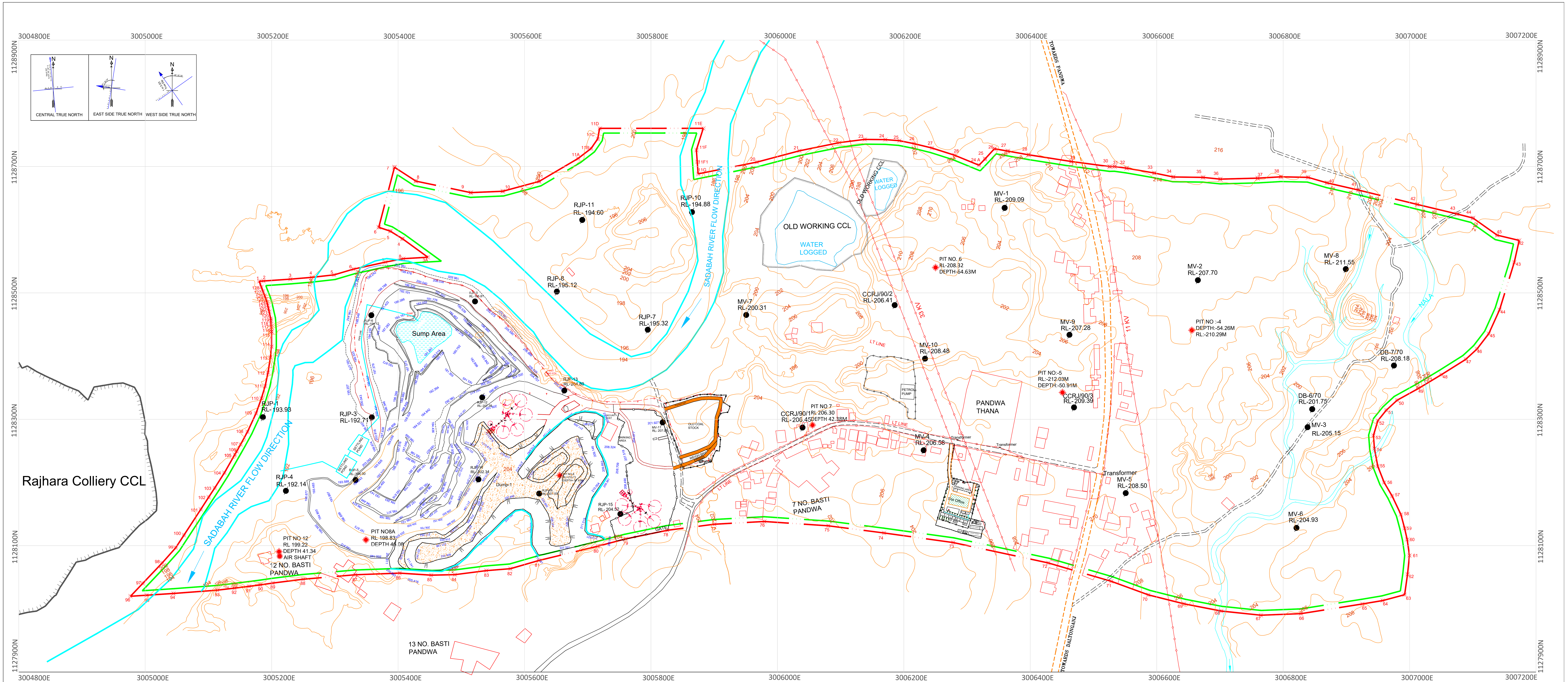










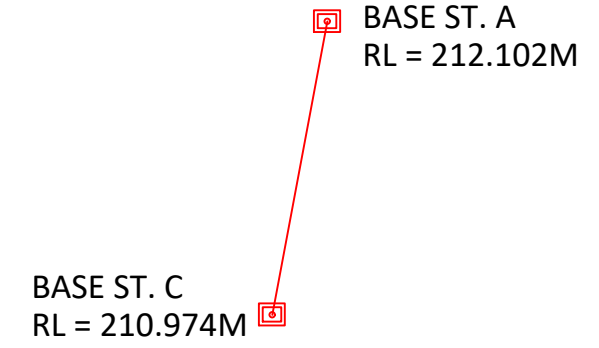


CO-ORDINATES OF COAL GRID AND HEIGHT OF THIS STATION
TBM - I & TBM-III IS TAKEN FROM C.C.LTD. RAJHARA COLLIERY

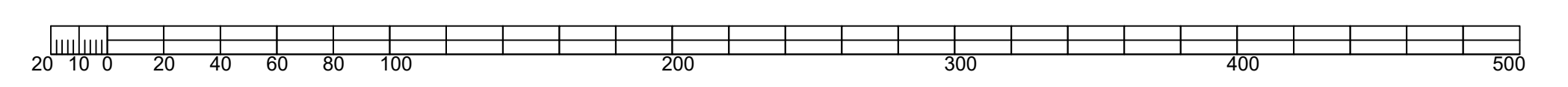
SL. NO.	STN NO.	COAL GRID COORDINATE		RL	COLLIERY SURVEY STN NO.
		EASTING	NORTHING		
1	TBM-III	3005448.5590	1127711.3040	212.1020	BASE ST.A
2	TBM-I	3005433.9680	1127633.7000	210.9740	BASE ST.C

DETAILS OF BENCH MARK

SL. NO.	STN NO.	COAL GRID COORDINATE		RL
		EASTING	NORTHING	
1	B.M-1	3006313.209	1128191.781	208.477
2	B.M-2	3006293.587	1128200.198	208.265
3	B.M-3	3006271.082	1128156.719	208.057



SCALE RF 1:2000



RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE
FAIRMINE CARBONS PVT. LTD.
SURFACE DRAINAGE PLAN

SCALE 1CM = 20M

P.O.- RAJHARA DIST.-PALAMU JHARKHAND
Certified that the plan is correct and upto date

SURVEYOR _____ MANAGER _____

DRG. NO. FCPL/ RN / SURFACE DRAINAGE PLAN-01

Fairmine Carbons Pvt Ltd

FLAT NO-401,4TH FLOOR, CROSSWINZ, COURT ROAD
RANCHI-834001, JHARKHAND, India
Email ID : fairminecarbons@gmail.com,
Phone:9153966167,
PAN: AAECF1244J, GSTIN: 20AAECF1244J1Z4
CIN:

WORK ORDER

PO No. : PO/10117
PO Date : 08/10/2025

Document Date : 08/10/2025
Delivery Date : 25/10/2025
Contact Person :
Phone No :
Email :
Vendor Ref No :

Details of Vendor (Bill To)

Name : Sabz Care Environmental consultancy Priv
Address : -
IN
State : JHARKHAND
State Code : 20
GST No. : 20AAECF1244J1Z4

Details of (Ship To)

Name : Fairmine Carbons Pvt Ltd
Address : FLAT NO-401,4TH FLOOR, CROSSWINZ COURT ROAD
RANCHI 834001 JHARKHAND India
State : JHARKHAND
State Code : 20
GST No. : 20AAECF1244J1Z4

Sr. No.	Description of Services	SAC Code	Qty.	Unit	Price	Total Value [INR]
1	Preparation of charter on corporate Responsibility for Environment protection (CREP)	998312				75,000.00
2	Report preparation for Riverian/riparian Ecosystem conservation & Management plan	998312				350,000.00
3	Preparation of Action plan for EMP with responsibility Matrix	998312				75,000.00
Total						500,000.00

Remarks : * Work Order for Charter on corporate responsibility.
*Work order validity is from 08.10.2025 to 31.03.2026

Total Amount Before Tax	500,000.00
Discount 10.00 %	50,000.00
Add : CGST	40,500.00
Add : SGST	40,500.00
Total GST	81,000.00
Total Amount	531,000.00

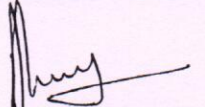
Amount In Words : Indian Rupee Five Lakhs Thirty-One Thousand Only

Payment Terms : Net-30

Terms & Conditions:-

- 1.WO is for providing report preparation.
2. Liasson amount excluded in this order if occurs during the same.
3. 50% advance payment With WO.
4. Rest 50% payment will be made after completion and submission of report.
5. Lodging and fooding are in scope of FCPL.

For, Fairmine Carbons Pvt Ltd


Authorised Signatory







Prepared by: LOG01

Abhishek

Checked By & Date

Annexure - 17

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE
(VOCATIONAL TRAINING Center)

S.No	NAME	Father's Name	Classification marks	Designation	Address	Batch no	Theoretical Training	On the Job Training	Feedback	Certificate no	Photograph	Pass/05/ 56/57
55	Sudesh Chaudhan	Mohan Chaudhan		Blasting Helper	At - Chandwadhi P.O - Dugda Dist - Palamu State - Jharkhand Mob - 9914559926	05	08-05-2025 10 14-05-2025	15-05-2025 10 21-05-2025	22-05-2025	55		
56	Amanah Kumar	Sankumar Mahato		Blasting Helper	At - Sandwa P.O - Rajhara P.S - Sandwa Dist - Palamu State - Jharkhand Mob - 6202734792	05	02-05-2025 10 14-05-2025	15-05-2025 10 21-05-2025	22-05-2025	56		082
57	Dheepak Kumar	Ranjankhan Bum		Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob -	05	02-05-2025 10 14-05-2025	15-05-2025 10 21-05-2025	22-05-2025	57		
58	Paykumar	Barbath Chaudhan		Blasting Helper	At - Sandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 6203899856	05	02-05-2025 10 14-05-2025 15-05-2025 10	15-05-2025 10 21-05-2025	22-05-2025	58		
59	Chholeji Paswan	Tapeshwar Marjhi			At - Badki Nevi P.O - Polpal P.S - Medinipur Dist - Palamu State - Jharkhand	06	26-05-2025	27-05-2025 10 02-06-2025	02-06-2025	59		
60	Ravindra Kumar	Sewa Mahla			At - Kadori P.O - Hazaribagh P.S - Hazaribagh Dist - Hazaribagh State - Jharkhand	06	15-05-2025 10 26-05-2025	27-05-2025 10 07-06-2025	07-06-2025	60		

Batch-01

Special Training * Page: * For *
Date: / /

Blasting Crew * Page: *
Date: / /

Sl. No.	Name	Designation	Days			Practical Training								
			10-06-2025	11-06-25	12-06-25	13-06-25	14-06-25	16-06-25	17-06-25	18-06-25	19-06-25	20-06-2025		
01	Suzendra Chauhan	Blasting helper	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS
02	Anun Ka. Chauhan	Blasting helper	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS	SBKOS
03	Rajiv kumar	Blasting helper	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar	Rajiv kumar
04	Nitish kumar	Blasting helper	NITISH kumar	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH	NITISH
05	Ganvind kumar	Blasting helper	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA	JITHA
06	Akhil khalife	Blasting helper	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil
07	Subodh Chauhan	Blasting helper	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh
08	Anumesh kumar	Blasting helper	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh	Anumesh
09	Deepak kumar	Blasting helper	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak
10	Raj kumar	Blasting helper	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar	Raj kumar
11	Sanjay Chauhan	Blasting helper	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay

Foril. for
Signature of VTO

INDEX

Sl No	NAME	FATHER'S NAME	Identification Marks	Designation	ADDRESS
49	Ramesh Chandra Chauhan	Chandradev Chauhan	Male dark on nose right side	Blasting Helper	At - Pandwa P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 784577201
50	Ramesh Kumar Chauhan	Kameshwar Chauhan	Cut mark on right hand	Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 7861572974
51	Rajiv Kumar	Kameshwar Chauhan		Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 9110929225
52	Nidish Kumar	AKJesh Chauhan		Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob -
53	Govind Kumar	AKJesh Chauhan		Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 7070306035
54	Akhtar Khalifa	Md Sabzeek Khalifa		Blasting Helper	At - Pandwa P.O - Rajhara P.S - Pandwa Dist - Palamu State - Jharkhand Mob - 9693327114

FORM BATCH NO.	THEORETICAL TRAINING	ON THE JOB TRAINING	FEEDBACK	ZERTIFICATE NO.	PHOTOGRAPH	SC/ST/DMT/GEN
05	02-05-2025	15-05-2025	22-05-2025	49		
	do	do				
	14-05-2025	21-05-2025				
05	02-05-2025	15-05-2025	22-05-2025	50		
	do	do				
	14-05-2025	21-05-2025				
05	02-05-2025	15-05-2025	22-05-2025	51		
	do	do				
	14-05-2025	21-05-2025				
05	02-05-2025	15-05-2025	22-05-2025	52		
	do	do				
	14-05-2025	21-05-2025				
05	02-05-2025	15-05-2025	22-05-2025	53		
	do	do				
	14-05-2025	21-05-2025				
05	02-05-2025	15-05-2025	22-05-2025	54		
	do	do				
	14-05-2025	21-05-2025				



TC-9948



lets start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000567F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Palamu & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	03.07.2025 to 04.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	04.07.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/181/NR-134/01-04	Sample Drawn By	Sabz Care Lab
Sampling Plan	SCECPL/SOP/Noise/01	Data Analysis Date	04.07.2025
Sample Details	Ambient Noise	Plant Status	Operational
Sampling Method	IS:9989-1981 (Reaffirmed-2020)	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF
ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT
OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR
INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.

* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq-Mean	Maximum
1. Near Site Office (Coordinates- 24°09'49.72"N to 84°03'35.85"E)	51.6	68.2	53.1	67.0	73.9
2. Near Mine (Coordinates- 23°09'56.04"N to 84°03'11.50"E)	48.3	68.9	56.0	68.2	74.1
3. Near Diesel Pump Area Coordinates- 24°09'53.13"N to 84°03'9.26"E)	43.7	64.3	51.4	63.6	69.5
4. Near OB Dump Area (Coordinates- 24°09'51.18"N to 84°03'8.50"E)	46.8	67.2	54.0	66.4	72.0

Remarks- Noise level is well within the standard specified limit for Industrial Area. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.



Authorized Signatory

Piyush
Quality Manager
(Piyush Ranjan)
14/07/2025

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO SMALL & MEDIUM ENTERPRISES



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000568F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Palamu & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	04.07.2025 to 05.07.2025	Sample Collected By	Ranjeet Yadav & Team
Sample Receiving Date	07.07.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/181/NR-135/01-04	Sample Drawn By	Sabz Care Lab
Sampling Plan	SCECPL/SOP/Noise/01	Data Analysis Date	07.07.2025
Sample Details	Ambient Noise	Plant Status	Operational
Sampling Method	IS:9989-1981 (Reaffirmed-2020)	Report Release Date	14.07.2025
Meteorological Information	Average Ambient Temperature : 30.5°C, Barometric Pressure :1001 mBar Relative Humidity : 64% Weather Condition – Cloudy		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

- *Day time is reckoned in between 6:00 A.M. & 10:00 P.M.
- * Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq Mean	Maximum
1. Near Padwa Office (Old) (Coordinates- 24°09'47.53"N to 84°03'43.25"E)	48.4	68.1	54.3	67.2	72.7
2. Near Railway Siding (Coordinates- 24°09'35.22"N to 84°02'58.37"E)	48.2	68.8	55.9	68.1	74.0
3. Near Padwa Middle School (Coordinates- 24°10'9.16"N to 84°03'45.16"E)	40.6	60.3	46.5	59.4	64.9
4. Near R & R Colony (Coordinates- 24°09'16.42"N to 84°02'32.14"E)	42.4	58.7	43.6	57.5	64.4

Remarks- Noise level is well within the standard specified limit for Industrial Area. (Decision Rule employed, taking into account the level of risk as per statistical assumptions).

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.



Authorized Signatory

Piyush Ranjan
Quality Manager
(Piyush Ranjan)
14/07/2025

*** END OF REPORT ***

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com





TC-9948



Let's start thinking about nature for tomorrow

Lab Report No.		TEST REPORT	
Client Name		Service Order Ref.	
Fairmine Carbons Pvt. Ltd.		FC994825000000725E	
Address		Service Order Ref. (Date: 18.06.2025)	
At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand		FCPL/RNC/25-26/48	
Discipline		Particular of the Plant	
Chemical		Coal Mines	
Date of Study		Group	
06.08.2025 to 07.08.2025		Atmospheric Pollution	
Sample Receiving Date		Sample Collected By	
09.08.2025		Md. R. Rahman & Team	
Sample ID		Time of Duration	
SCECPL/TR/25/207/NR-157/01-04		24 Hours	
Sampling Plan		Sample Drawn By	
SCECPL/SOP/SAMP/Noise/01		Sabz Care Lab	
Sample Details		Data Analysis Date	
Ambient Noise (Core Zone)		09.08.2025	
Sampling Method		Plant Status	
IS 9989 : 1981		Operational	
Meteorological Information		Report Release Date	
Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		12.08.2025	

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.
* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq Mean	Maximum
1. Near Site Office (Coordinates- 24°09'49.72"N to 84°03'35.85"E)	46.9	67.3	54.1	66.5	72.1
2. Near Mine (Coordinates- 23°09'56.04"N to 84°03'11.50"E)	48.4	68.8	55.6	68.0	73.6
3. Near Diesel Pump Area (Coordinates- 24°09'53.13"N to 84°03'9.26"E)	47.5	64.3	49.0	63.1	69.4
4. Near OB Dump Area (Coordinates- 24°09'51.18"N to 84°03'8.50"E)	46.2	66.8	53.9	66.1	72.0

Remarks-

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Tested By

Ranjet Yadav
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
12-08-25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000726F		
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	07.08.2025 to 08.08.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	09.08.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/207/NR-158/01-04	Sample Drawn By	Sabz Care Lab
Sampling Plan	SCECPL/SOP/SAMP/Noise/01	Data Analysis Date	09.08.2025
Sample Details	Ambient Noise (Buffer Zone)	Plant Status	Operational
Sampling Method	IS 9989 : 1981	Report Release Date	12.08.2025
Meteorological Information	Average Ambient Temperature : 29.5°C, Barometric Pressure :1009 mBar Relative Humidity : 70% Weather Condition – Cloudy		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.
* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq-Mean	Maximum
1. Near Padwa Office (Old) (Coordinates- 24°09'47.53"N to 84°03'43.25"E)	49.3	69.7	56.5	68.9	74.5
2. Near Railway Siding (Coordinates- 24°09'35.22"N to 84°02'58.37"E)	49.8	68.2	55.6	67.5	73.2
3. Near Padwa Middle School (Coordinates- 24°10'9.16"N to 84°03'45.16"E)	40.1	60.5	47.3	59.7	65.3
4. Near R & R Colony (Coordinates- 24°09'16.42"N to 84°02'32.14"E)	41.5	58.1	43.0	56.9	63.8

Remarks-

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Tested By
Ranjeet Yadav
12-08-25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahaman
12-08-25
Lab in Charge
(S.K.M. Mizanur Rahaman)



Authorized Signatory
Piyush Ranjan
12/08/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TC-9948



let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000838F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	09.09.2025 to 10.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/233/NR-177/01-04	Sample Drawn By	Sabz Care Lab
Sampling Plan	SCECPI/SOP/SAMP/Noise/01	Data Analysis Date	12.09.2025
Sample Details	Ambient Noise (Core Zone)	Plant Status	Operational
Sampling Method	IS 9989 : 1981	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.
* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq Mean	Maximum
1. Near Site Office (Coordinates- 24°09'49.72"N to 84°03'35.85"E)	47.2	67.6	54.4	66.8	72.4
2. Near Mine (Coordinates- 23°09'56.04"N to 84°03'11.50"E)	48.6	68.3	54.5	67.4	72.9
3. Near Diesel Pump Area Coordinates- 24°09'53.13"N to 84°03'9.26"E)	44.6	64.3	50.5	63.4	68.9
4. Near OB Dump Area (Coordinates- 24°09'51.18"N to 84°03'8.50"E)	50.5	67.1	52.0	65.9	72.8

Remarks-

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Tested By

Ranjeet Yadav
15.09.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
15.09.25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000839F	
Name of Customer	Fairmine Carbons Pvt. Ltd.	Service Order Ref.	FCPL/RNC/25-26/48 (Date-18.06.2025)
Address	At- Rajhara & Pandwa, P.O.- Pandwa Dist- Palamu, Jharkhand	Particular of the Plant	Coal Mines
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	10.09.2025 to 11.09.2025	Sample Collected By	Md. R. Rahman & Team
Sample Receiving Date	12.09.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/233/NR-178/01-04	Sample Drawn By	Sabz Care Lab
Sampling Plan	SCECPL/SOP/SAMP/Noise/01	Data Analysis Date	12.09.2025
Sample Details	Ambient Noise (Buffer Zone)	Plant Status	Operational
Sampling Method	IS 9989 : 1981	Report Release Date	15.09.2025
Meteorological Information	Average Ambient Temperature : 32.0°C, Barometric Pressure :1005 mBar Relative Humidity : 68% Weather Condition – Cloudy		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.
* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq Mean	Maximum
1. Near Padwa Office (Old) (Coordinates- 24°09'47.53"N to 84°03'43.25"E)	47.9	68.5	55.6	67.8	73.7
2. Near Railway Siding (Coordinates- 24°09'35.22"N to 84°02'58.37"E)	48.6	68.9	55.3	68.0	73.2
3. Near Padwa Middle School Coordinates- 24°10'9.16"N to 84°03'45.16"E)	39.6	59.5	45.5	58.5	64.3
4. Near R & R Colony (Coordinates- 24°09'16.42"N to 84°02'32.14"E)	35.4	56.0	43.1	55.3	61.2

Remarks-

- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Tested By

Ranjet Yadav
15.09.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
15/9/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
15/09/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



FAIRMINE CARBONS PVT LTD

**PURCHASE ORDER FOR ENVIRONMENTAL MONITORING
FAIRMINE CARBONS PVT LTD**

Ranchi, Jharkhand, India, 834001.

CIN No. U23200JH2020PTC014511, PAN-AAECF1244J

Vendor Code	FCPL/RNC/142	Order No	FCPL/RNC/25-26/48	Date	18.06.2025
Vendor Name	Sabz Care Environmental Consultancy Pvt. Ltd.	Amendment No	0	Date	NA
Vendor Address	Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist- Deoghar-815353 Jharkhand	Offer/Ref No	NFA-DTO/25-26/82		30.05.2025
Vendor Contact	09334315731/7563048389	Validity Start / End	18.06.2025 to 17.06.2026		
Vendor Email	sceplmdp@gmail.com	PO Category	Project	Curr.	INR
Contact Person		Buyer Name	Fairmine Carbons Private Limited		
GSTIN (Invoicing Party)	GSTIN-20AAXCS2937G1Z5	Buyer Contact	Abhishek Kumar 6202515090		
Vendor PAN No	AAXCS2937G	Buyer Email	fairminecarbons@gmail.com		
Service tax No	NA	GSTIN of Business Party	20AAECF1244J1Z4		

ORDER FOR ENVIRONMENTAL MONITORING

NON-ACKNOWLEDGEMENT OF THIS ORDER WITHIN 7 DAYS WILL BE CONSIDERED AS ACCEPTED BY YOU.

Abhishek

A. Item description

<u>Sl no.</u>	<u>Standard</u>	<u>Particulars</u>	<u>Parameters to be monitored, analyzed</u>	<u>Frequency of monitoring</u>	<u>No of Samples per annum</u>	<u>Rate per sample</u>	<u>Amount in Rs</u>
1	AAQ Monitoring	Within core zone:4 locations	PM10, PM2.5, SOX & Nox as per EC	Twice in a month. One sample over 24-hour continuous duration, once in a Fortnight throughout the year	96	1,175/-	1,12,800/-
2		Within Buffer zone:4 Locations			96	1,175/-	1,12,800/-
3	AAQ Monitoring	Within core zone:4 locations	Hg, As, NH3, Pb, Ni, Cd & Cr in SPM and RSPM, C6H6, Bap, As, Ni, O3, CO as per CTO & EC	Once in six months (Half Yearly)	8	1,475/-	11,800/-
4		Within Buffer zone:4 Locations			8	1,475/-	11,800/-
5	Fugitive emission	Dust Generation Sources in the core zone:5 Location	Suspended particulate Matter (Coal Dust) and silica content as per GSR	Twice in a Month one sample over 24-hour continuous duration once in a fortnight throughout the year	96	1,175/-	11,2800/-
6	Water quality	Surface water analysis in core (2) & Buffer zone: (2) locations	All parameters as per IS:2296 & EC condition pH, Temp, Turbidity, conductivity, TSS, TDS, COD, BOD, coliform Bacteria, Oil & Grease	Quarterly as per EC condition	16	1,260/-	20,160/-

Abhishek

7	Water Quality	Surface water analysis in core (2) & Buffer zone (2) Locations	All parameters as per IS:10500 & EC condition	Once in a Quarter	16	1,260/-	20,160/-	
8	Water Quality	Surface water (settling pond) and Groundwater from core and buffer zone	Heavy metals (Hg, As, Ni, Cd, Cr)	Once in a year (August)	4	1,260/-	5,040/-	
9	Water Quality	Ground water level measurement in dug wells located in core zone and buffer zone (8 location) as per CGWB	Water level measurement	During the month of January, May, Aug & Nov	32	460/-	14,720/-	
10	Soil Quality Analysis			Once in a Quarter	8	1,260/-	10,080/-	
11	Noise Quality	Within core zone: 4	As per CPCB/SPCB & EC	Once in a month	48	460/-	22,080/-	
12		Locations Within Buffer zone:4 Location			48	460/-	22,080/-	
13	Sampling & Analysis of Air Using personal dust sampler (PDS)			Once in a month	12	1,175/-	14,100/-	
14	Land Use Pattern Map of Mine Lease area based on Satellite Image on Scale 1:50000 (once in 3 years)			Once in a year	1	25,500/-	25,500/-	
15	Preparation & Submission of Half Yearly EC-Compliance Report & CTO compliance including Environmental statement (From-5)			Once in six months	2	13,000/-	26,000/-	
16	Service charge for NOC from CGWA except Liasson & Govt. fees				1	15,000/-	15,000/-	
17	Water Audit by certified water Auditor (Optional)				1	2,00,000/-	2,00,000/-	
Total								7,56,920/-

Abhishek

Total Purchase Order cost 7,56,920/-/-

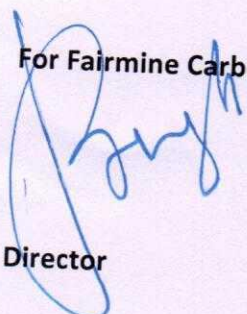
Seven Lakh Fifty-Six Thousand Nine Hundred Twenty Only.

ORDER FOR ENVIRONMENTAL MONITORING

Term & Conditions:

- 100% Payment after Completion and submission of Report (Monthly). *after verify*
- Other than Monitoring works, advance payment of 50% of Service charge as mention in above table.
- GST Extra as applicable
- Lodging of staff are in the scope of FCPL.
- Relevant document shall be provided by the FCPL.

For Fairmine Carbons Pvt Ltd


Director

Abhishek





realme Shot on realme 9 108MP

2025 08 23 14:18

ILLUMINATION SURVEYRAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPLDate - 25/02/2025

S.No.	Place/Area to be illuminated	Minimum standards of illumination to be provided (in lux)	Actual illumination	Remarks
1.	Work Place of Heavy Machinery	15H, 25V	16H, 12V 10H, 10V	
2.	Drilling Operations		N/A	
	i) Area where drilling rig works	25V	-	
	ii) Area where drill holes exits	15H	-	
3.	Places where manual work is done	15H, 25V	N/A	
4.	Places where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including Dump & Coal stock yard)	15H, 15V	16H, 13V 12H, 10V 22H, 12V	- O/B dumper yard
5.	Operators cabins of Machines or mechanisms	50H		
	i) M/c - 1		14H	
	ii) M/c - 2		20H	
	iii) M/c - 3			
	iv) M/c - 4			
6.	Haul Road for Trucks and Dumpers	10H	28H 12H 09H	
7.	Roadways and footpaths from bench to bench	10H	N/A	
8.	Permanent paths for use of persons employed etc.	10H	N/A	
9.	In-pit Crusher/Feeder Breaker	40H	N/A	
10.	Conveyors		N/A	
	i) Transfer points and drive/tail end area	40H	-	
	ii) Along Conveyor	20H	-	
11.	Coal Handling Plant		N/A	

	i) Places of crushing, screening, segregation and Loading/unloading	40H	-	
	ii) Operation points	50H	-	
	iii) Other places (in general)	20H	-	
12.	Pumping Station	40H	42H	
13.	i) Electric Sub-Station	100H, 50V	N/A	
	ii) Other places of Operation of Electrical apparatus/Equipment	20H, 20V	N/A	
14.	First Aid Station	50H	40H	
15.	Rest Shelter	30H	15H	
16.	Workshop	100H, 50V	N/A	
18.	Parking Yard	50H	30H	
19.	General Working areas as determined by the Manager	10H	25H	

Ravi Roy
Colliery Engineer

Anand M/K
Electrician

[Signature]
OM (FCPL)

[Signature]
OM (Tycoon)

[Signature]
Safety Officer

[Signature]
26/02/25
Mine Manager

Asarax - C

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

Date - 27/03/2025

S.No.	Place/Area to be illuminated	Minimum standards of illumination to be provided (in lux)	Actual Illumination	Remarks
1.	Work Place of Heavy Machinery	15H, 25V	26H, 11V 12H, 10V	
2.	Drilling Operations			
	i) Area where drilling rig works	25V	N/A	
	ii) Area where drill holes exits	15H	N/A	
3.	Places where manual work is done	15H, 25V	N/A	
4.	Places where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including Dump & Coal stock yard)	15H, 15V	170H, 14V 13H, 10V 23H, 10V	O/B Hand for
5.	Operators cabins of Machines or mechanisms	50H		
	i) M/c - 1		15H	
	ii) M/c - 2		20H	
	iii) M/c - 3		17H	
	iv) M/c - 4			
6.	Haul Road for Trucks and Dumpers	10H	31H 11H 06H	O/B Hand for
7.	Roadways and footpaths from bench to bench	10H	N/A	
8.	Permanent paths for use of persons employed etc.	10H	N/A	
9.	In-pit Crusher/Feeder Breaker	40H	N/A	
10.	Conveyors		N/A	
	i) Transfer points and drive/tail end area	40H		
	ii) Along Conveyor	20H		
11.	Coal Handling Plant		N/A	

	i) Places of crushing, screening, segregation and Loading/unloading	40H	N/A	
	ii) Operation points	50H	N/A	
	iii) Other places (in general)	20H	N/A	
12.	Pumping Station	40H	68H	
13.	i) Electric Sub-Station	100H, 50V	N/A	
	ii) Other places of Operation of Electrical apparatus/Equipment	20H, 20V	N/A	
14.	First Aid Station	50H	45H	
15.	Rest Shelter	30H	20H	
16.	Workshop	100H, 50V	N/A	
18.	Parking Yard	50H	35H	
19.	General Working areas as determined by the Manager	10H	40H	


Colliery Engineer


Electrician


OM (FCPL)


OM (Tycoon)


Safety Officer


Mine Manager

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

Date - 28/04/2025

S.No.	Place/Area to be illuminated	Minimum standards of illumination to be provided (in lux)	Actual Illumination	Remarks
1.	Work Place of Heavy Machinery	15H, 25V	20H, 19V 14H, 17V	
2.	Drilling Operations			
	i) Area where drilling rig works	25V	N/A	
	ii) Area where drill holes exits	15H	N/A	
3.	Places where manual work is done	15H, 25V	N/A	
4.	Places where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including Dump & Coal stock yard)	15H, 15V	19H, 14V 14H, 12V 20H, 11V	- o/b dump yard.
5.	Operators cabins of Machines or mechanisms	50H		
	i) M/c - 1		19H	
	ii) M/c - 2		21H	
	iii) M/c - 3		17H	
	iv) M/c - 4			
6.	Haul Road for Trucks and Dumpers	10H	25H 11H 15H	
7.	Roadways and footpaths from bench to bench	10H	N/A	
8.	Permanent paths for use of persons employed etc.	10H	N/A	
9.	In-pit Crusher/Feeder Breaker	40H	N/A	
10.	Conveyors		N/A	
	i) Transfer points and drive/tail end area	40H		
	ii) Along Conveyor	20H		
11.	Coal Handling Plant		N/A	

	i) Places of crushing, screening, segregation and Loading/unloading	40H	N/A	
	ii) Operation points	50H	N/A	
	iii) Other places (in general)	20H	N/A	
12.	Pumping Station	40H	55H	
13.	i) Electric Sub-Station	100H, 50V	N/A	
	ii) Other places of Operation of Electrical apparatus/Equipment	20H, 20V	N/A	
14.	First Aid Station	50H	45H	
15.	Rest Shelter	30H	25H	
16.	Workshop	100H, 50V	N/A	
18.	Parking Yard	50H	35H	
19.	General Working areas as determined by the Manager	10H	30H	


Colliery Engineer


Electrician


OM (FCPL)


OM (Tycoon)


Safety Officer


Mine Manager

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

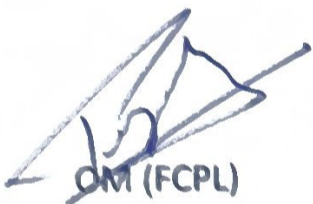
Date - 27/05/2025

S.No.	Place/Area to be illuminated	Minimum standards of illumination to be provided (in lux)	Actual Illumination	Remarks
1.	Work Place of Heavy Machinery	15H, 25V	18H, 21V 15H, 19V	
2.	Drilling Operations		N/A	
	i) Area where drilling rig works	25V	-	
	ii) Area where drill holes exits	15H	-	
3.	Places where manual work is done	15H, 25V	N/A	
4.	Places where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including Dump & Coal stock yard)	15H, 15V	18H, 14V 16H, 14V 19H, 13V 16H, 12V	- of B dump yard - Coal stock yard
5.	Operators cabins of Machines or mechanisms	50H		
	i) M/c - 1		25H	
	ii) M/c - 2		31H	
	iii) M/c - 3		40H	
	iv) M/c - 4			
6.	Haul Road for Trucks and Dumpers	10H	15H 12H 15H	
7.	Roadways and footpaths from bench to bench	10H	N/A	
8.	Permanent paths for use of persons employed etc.	10H	-	
9.	In-pit Crusher/Feeder Breaker	40H	30H	
10.	Conveyors			
	i) Transfer points and drive/tail end area	40H		
	ii) Along Conveyor	20H		
11.	Coal Handling Plant			

	i) Places of crushing, screening, segregation and Loading/unloading	40H	25H	
	ii) Operation points	50H	30H	
	iii) Other places (in general)	20H	18H	
12.	Pumping Station	40H	35H	
13.	i) Electric Sub-Station	100H, 50V	.	
	ii) Other places of Operation of Electrical apparatus/Equipment	20H, 20V	18H, 19V	
14.	First Aid Station	50H	35H	
15.	Rest Shelter	30H	25H	
16.	Workshop	100H, 50V	85H, 40V	
18.	Parking Yard	50H	40H	
19.	General Working areas as determined by the Manager	10H	25H	


Colliery Engineer


Electrician


OM (FCPL)

OM (Tycoon)


Safety Officer


Mine Manager

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

Date - 28/06/2025

S. No.	PLACE/ AREA TO BE ILLUMINATED	Minimum Standards of Illumination to be provided (in Lux)	Actual Illumination	Remarks
1	work place of Heavy Machinery	15H, 25 V	16H, 23V 18H, 19V	
2	drilling operations		N/A	
	(i) area where drilling rig works	25 V	-	
	(ii) area where drill holes exists	15H	-	
3	Place where manual work is done	15H, 25 V	N/A	
4	place where loading, unloading or transfer loading of dumpers, trucks or train is carried on (including OB DUMP and coal stock yard)	15H,15V	18H, 13V 20H, 14V 25H, 13V - OB Dump 26H, 14V - Coal stock yard	
5	Operators cabins of machines or mechanisms	50 H		
	(i) M/c - 1		23 H	
	(ii) M/c - 2		29 H	
	(iii) M/c - 3		37H	
	(iv) M/c - 4			
6	Haul roads for trucks and dumpers	10 H	35 H -	OB haul Road
7	Roadways and footpaths from bench to bench	10 H	N/A	
8	permanent paths for use of persons employed etc.	10 H	-	
9	In- pit crusher/feeder breaker	40 H	147H	
10	conveyers			
	(a) Transfer points and drive/tail end area	40 H	72H	
	(b) Along conveyor	20 H	32H	
11	Coal handling plant			
	(a) Places of crushing, screening, segregation and loading/ unloading	40 H	147H	
	(b) Operation points	50H	60H	
	(C) Other places (in general)	20 H		
12	pumping station	40 H	37H	
13	(i) Electrical sub-station	100 H, 50 V	-	
	(ii) Other places of operation of electrical apparatus/equipment	20 H, 20V	60H, 50V 24H, 18V	
14	First Aid station	50 H	38H	
15	Rest shelter	30 H	92H	
16	workshop	100 H, 50 V	N/A	

17	parking yard	50 H	38H	
18	General working areas as determined by the manager in writing	10 H	22H	

Rahul Ray
Colliery Engineer

Electrician

OM (FCPL)

OM (Tycoon)

Sanku
42516125
Safty Officer

[Signature]
Mine Manager / Agent

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

Date - 29/07/2025

S. No.	PLACE/ AREA TO BE ILLUMINATED	Minimum Standards of Illumination to be provided (in Lux)	Actual Illumination	Remarks
1	work place of Heavy Machinery	15H, 25 V	24H, 20V 16H, 22V	
2	drilling operations		N/A	
	(i) area where drilling rig works	25 V	—	
	(ii) area where drill holes exists	15H	—	
3	Place where manual work is done	15H, 25 V	N/A	
4	place where loading, unloading or transfer loading of dumpers, trucks or train is carried on (including OB DUMP and coal stack yard)	15H, 15V	25H, 13V - 20H, 14V - 19H, 14V	OB dump yard Coal stack yard
5	Operators cabins of machines or mechanisms	50 H	24H 28H 42H	
	(i) M/c - 1			
	(ii) M/c - 2			
	(iii) M/c - 3			
	(iv) M/c - 4			
6	Haul roads for trucks and dumpers	10 H	42H -	OB haul Road
7	Roadways and footpaths from bench to bench	10 H	N/A	
8	permanent paths for use of persons employed etc.	10 H	—	
9	In- pit crusher/feeder breaker	40 H	.	
10	conveyers			
	(a) Transfer points and drive/tail end area	40 H		
	(b) Along conveyor	20 H	28H	
11	Coal handling plant			
	(a) Places of crushing, screening, segregation and loading/ unloading	40 H	168H	
	(b) Operation points	50H	58H	
	(C) Other places (in general)	20 H	27H	
12	pumping station	40 H	35H	
13	(i) Electrical sub-station	100 H, 50 V	N/A	
	(ii) Other places of operation of electrical apparatus/equipment	20 H, 20V	23H, 18V 55H, 42V	
14	First Aid station	50 H	36H	
15	Rest shelter	30 H	56H	
16	workshop	100 H, 50 V		

17	parking yard	50 H	52H	
18	General working areas as determined by the manager in writing	10 H	27H	

Rahilly
Colliery Engineer

Electrician

OM (FCPL)

OM (Tycoon)

Sanjay
#30/7/25
Safty Officer

[Signature]
Mine Manager / Agent.

ILLUMINATION SURVEY

RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE, FCPL

Date - 20/08/2025

S. No.	PLACE/ AREA TO BE ILLUMINATED	Minimum Standards of Illumination to be provided (in Lux)	Actual Illumination	Remarks
1	work place of Heavy Machinery	15H, 25 V	22H, 19V 18H, 24V	
2	drilling operations		N/A	
	(i) area where drilling rig works	25 V	-	
	(ii) area where drill holes exists	15H	-	
3	Place where manual work is done	15H, 25 V	N/A	
4	place where loading, unloading or transfer loading of dumpers, trucks or train is carried on (including OB DUMP and coal stock yard)	15H, 15V	23H, 14V 20H, 17V 18H, 14V	OB dump yard Coal stock yard
5	Operators cabins of machines or mechanisms	50 H	28H 25H 43H	
	(i) M/c - 1			
	(ii) M/c - 2			
	(iii) M/c - 3			
	(iv) M/c - 4			
6	Haul roads for trucks and dumpers	10 H	40H -	OB haul Road
7	Roadways and footpaths from bench to bench	10 H	N/A	
8	permanent paths for use of persons employed etc.	10 H		
9	In- pit crusher/feeder breaker	40 H		
10	conveyers			
	(a) Transfer points and drive/tail end area	40 H		
	(b) Along conveyer	20 H	32H	
11	Coal handling plant			
	(a) Places of crushing, screening, segregation and loading/ unloading	40 H	157H	
	(b) Operation points	50H	55H	
	(C) Other places (in general)	20 H	25 H	
12	pumping station	40 H	37H	
13	(i) Electrical sub-station	100 H, 50 V	N/A	
	(ii) Other places of operation of electrical apparatus/equipment	20 H, 20V	26H, 17V 52H, 38V	
14	First Aid station	50 H	38H	
15	Rest shelter	30 H	52H	
16	workshop	100 H, 50 V		

Rab Ray
Colliery Engineer

Arin M/R
Electrician

OM (FCPL)

OM (Tycoon)

Safety Officer

Singh
30/8/25
Mine Manager

EMPLOYEE MASTER DATABASE LAND LOOSER

FAIRMINE CARBONS PRIVATE LIMITED

401, 4TH FLOOR, CROSSWINDZ COURT ROAD, RANCHI-834001, JHARKHAND

SL. NO.	EMPLOYEE NAME	POSITION	IME NO	IME DATE	FORM A	VTC STATUS
1	Vinay Paswan	Security	3	26.04.2022	1	to be imparted
2	Raju Ram	Cook	1	26.04.2022	2	to be imparted
3	Balram Kumar	Security	2	26.04.2022	3	to be imparted
4	Ravindra Kumar Mahto	Lab Helper	6	12.07.2022	4	to be imparted
5	Anand	Security	7	12.07.2022	5	to be imparted
6	Avinash	Electrician Helper	4	22.07.2022	6	DONE
7	Barun	Workman			7	to be imparted
8	Liladhar	Electrician Helper	FMC/O/63	20.02.2025	8	to be imparted
9	Deepak Kumar	Workman	DONE		9	to be imparted
10	Amit Kumar	Workman	DONE		10	to be imparted
11	AKASH KUMAR	Store Helper	FMC/O/64	21.02.2025	11	to be imparted
12	VIKASH KUMAR	Office Assistant	FMC/O/61	20.02.2025	12	to be imparted
13	ANIL SINGH	Security	FMC/O/76	24.02.2025	13	to be imparted
14	PINTU KUMAR	Horticulture Helper	FMC/O/75	24.02.2025	14	to be imparted
15	PAWAN KUMAR SINGH	Workman			16	to be imparted
16	AMIT RANJAN CHOUHAN	Pump Helper	FMC/O/95	31.03.2025	20	DONE
17	BISHAL KUMAR	Pump Helper	FMC/O/69	22.02.2025	21	DONE
18	RANJIT KUMAR CHOUHAN	Civil Helper	DONE		23	to be imparted
19	RITIK KUMAR	Pump Helper	FMC/O/62	20.02.2025	22	DONE
20	SANJAY MAHTO	Driver	FMC/O/88	28.03.2025	27	to be imparted
21	SHTISH KUMAR MEHTA	Blasting Helper	FMC/O/89	28.03.2025	26	DONE
22	UPENDRA KUMAR MEHTA	Pump Helper	FMC/O/87	28.03.2025	25	DONE
23	ANUMESH KUMAR	Blasting Helper	FMC/O/70	22.02.2025	18	DONE
24	ANAND KUMAR NONIA	Pump Helper	FMC/O/74	24.02.2025	24	DONE
25	VIKASH KUMAR CHAUHAN	Pump Helper			19	to be imparted
26	Deepak Kumar	DG Helper	FMC/O/73	24.02.2025	17	DONE
27	SONI DEV	Pump Helper	FMC/O/86	28.03.2025	28	DONE
28	RIPAN CHAUHAN	Pump Helper	DONE		31	to be imparted
29	NIRAJ KUMAR	Pump Helper	DONE		34	to be imparted
30	RAMJIT KUMAR	Pump Helper	DONE		29	to be imparted
31	INDRAJEET KUMAR	Pump Helper	DONE		32	to be imparted
32	MANISH KUMAR	Pump Helper	DONE		30	to be imparted
33	DEEPAK KUMAR	Pump Helper	DONE		33	ON GOING

IME Status

Total Employee - 33

IME Done - 30

Ongoing- 2

VTC Done - 10

VTC Ongoing- 1

To Be Imparted - 22



FAIRMINE CARBONS PVT LIMITED
STAFF LIST

SR.NO	EMP I.D	EMPLOYEE NAME	DESIGNATION	IME NO.	IME DATE	VTC STATUS	FORM A
1	1002	Abhishek Singh	SR. OFFICER	FMC/O/36	06.02.2025		1
2	1005	Yashwant Kumar	DGM (Mine Planning, Survey & Regulatory Affairs)	FMC/O/33	06.02.2025		2
3	1007	Pranav Kumar Dwivedi	Dy. Manager (Accounts-MIS)	DONE			3
4	1012	Ashish Kumar Upadhyay	Officer - Land & Liaison	FMC/O/14	05.02.2025		5
5	1013	Ashok Kumar Mishra	Deputy Manager (Land & Liaison)	FMC/O/13	05.02.2025		6
6	1014	Rahul Ray	Assistant Manager - Mechanical				7
7	1015	Anshu Verma	Dy. Manager - Administration	FMC/O/52	19.02.2025		8
8	1016	Shashank Singh	Senior Officer - Land & Liaison	DONE			9
9	1018	ROSHAN SINGH	OFFICE ASSISTANT	FMC/O/34	06.02.2025	To be imparted	10
10	1019	TULESHWAR KUMAR SAHU	SR. OFFICER - SURVEY	FMC/O/35	06.02.2025		11
11	1020	CHANDRAKANT TIWARY	MANAGER MINING	FMC/O/12	04.02.2025		12
12	1022	MADHWESH PANDEY	OFFICE ASSISTANT	FMC/O/10	04.02.2025	To be imparted	13
13	1025	SOUVIK SARKAR	DY.MANAGER-MINING	FMC/O/53	19.02.2025		14
14	1026	VIJAY KANT JHA	ASST.MANAGER-HR	FMC/O/37	14.02.2025		15
15	1033	DINESH KUMAR	MINING SIRDAR	FMC/O/01	01.02.2025		21
16	1035	SUMAN KUMAR	MINING SIRDAR	FMC/O/08	04.02.2025		22
17	1032	BINDKISHOR SINGH	MINING SIRDAR	FMC/O/02	01.02.2025		20
18	1031	PRANAY KUMAR	MINING SIRDAR	FMC/O/40	14.02.2025		19
19	1036	NIRANJAN KUMAR SINGH	OVERMAN	FMC/O/16	05.02.2025		23
20	1030	SUBHASH KUMAR	MINING MANAGER	FMC/O/17	02.02.2025		18
21	1028	ANIMESH KUMAR	ASST.MANAGER-MINING	FMC/O/39	14.02.2025		17
22	1037	VISHNU KUMAR DUBEY	ASST.MANAGER-MINING	FMC/O/09	04.02.2025		24
23	1038	PRIVANSHU PATHAK	OVERMAN	FMC/O/54	18.02.2025		25
24	1040	SANJAY KUMAR	OVERMAN	FMC/O/04	01.02.2025		27
25	1041	SIDHARTH SHANKAR DUBEY	OVERMAN	FMC/O/05	03.02.2025		28
26	1027	AJAY KUMAR	Sr.OVERMAN	FMC/O/94	31.03.2025		16
27	1010	CHANDAN SINGH	Sr. MANAGER				4
28	1039	K K CHOUBEY	Sr. MANAGER MINING	FMC/O/06	03.02.2025		26
29	1042	SUSHIL KUMAR SINGH	MINING SIRDAR	FMC/O/3	01.02.2025		29
30	1043	AMIT KUMAR SINGH	OVERMAN	FMC/O/38	14.02.2025		30
31	1044	ASHOK KUMAR	QUALITY	FMC/O/11	04.02.2025		3
32	1045	MOHAMMAD ILIYAZ	OVERMAN	FMC/O/15	06.02.2025		32
33	1046	RAMJEE PRASAD	OFFICE ASSISTANT STORE	DONE			33
34	1049	SHREE KRISHNA PANDEY	MINING SIRDAR	FMC/O/83	28.03.2025		35
35	1050	ROHIT KUMAR PANDEY	MINING SIRDAR	FMC/O/84	28.03.2025		36

36	1051	BITTU KUMAR SINHA	OVERMAN	FMC/O/85	28.03.2025	37
37	1054	HIMANSHU MANKAR	ASST. MANAGER-MINING	DONE		38
38	1055	BINAY KUMAR	OFFICER	DONE		40
39	1056	RAMA SHANKAR SINGH	JR. EXE	DONE		41
40	1057	RISHU KUMAR	MINING SIRDAR	PENDING		43
41	1058	POURUSH SINGH	OVERMAN	PENDING		42

Total

FCPL Employee - 42

IME DONE - 38

To be Undergone - 04

VTC Status

To be Imparted - 03





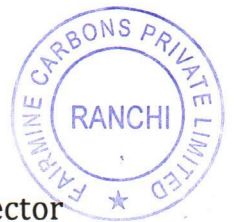
" ENVIRONMENT POLICY "

We, at M/s. Fairmine Carbons Private Limited shall strive for Continual Improvement in Environmental Performance of the Mining Activity through:

- Continuous compliance of Environment law, Rules, Regulations Policies and any others requirements subject to modification and amendments from time to time thereof.
- Endeavouring sustainable and optimum utilization of natural resources.
- Providing abreast knowledge, education and awareness about environment protection among employees, sub-contractors and other stakeholders through providing education, training, organizing seminar and conferences.
- Establishing effective communication system for efficient flow of information regarding company's commitment, performance and responsibility towards Environment.

Date: 09/06/2022
Place: Ranchi


Samir Lohia
Managing Director





On letter head of company

FAIRMINE CARBONS PRIVATE LIMITED

GST : 20AAECF1244J1Z4
CIN : U23200JH2020PTC014511
Website : www.fairminegroup.com

CERTIFIED TRUE COPY OF BOARD RESOLUTION PASSED BY THE BOARD OF DIRECTOR OF FAIRMINE CARBONS PRIVATE LIMITED AT THE BOARD MEETING HELD ON THURSDAY 17TH DAY OF AMY, 2022 AT THE REGISTERED OFFICE OF THE COMPANY SITUATED AT FLAT NO. 401, 4TH FLOOR, CROSSWINDZ, COURT ROAD, RANCHI, JHARKHAND-834001 IN AT 04:00 P.M.

ITEM NO. 05 TO DISCUSS AND APPROVE THE ENVIRONMENT POLICY.

"RESOLVED THAT consent of the Board be and is hereby accorded for approval of Environment Policy which contained the Followings:

We, at M/s. Fairmine Carbons Private Limited shall strive for Continual Improvement in Environmental Performance of the Mining Activity through:

- Continuous compliance of Environment law, Rules, Regulations Policies and any others requirements subject to modification and amendments from time to time thereof.
- Endeavouring sustainable and optimum utilization of natural resources.
- Providing abreast knowledge, education and awareness about environment protection among employees, sub-contractors and other stakeholders through providing education, training, organizing seminar and conferences.
- Establishing effective communication system for efficient flow of information regarding company's commitment, performance and responsibility towards Environment.

RESOVLED FURTER THAT Rajeev Kumar Singh Director (Din: 08528371) and Yashwant Kumar, Assistant General Manager of the Company be and are hereby severally authorized on behalf of the Company tom submit Revised Mining Plan and allied documents and to do such acts, deeds, and things necessary , desirable, required or expedient in connection with or incidental to give the effect to this resolution.

RESOLVED FURTHER THAT Miss. Pooja Gupta , Company Secretary of the Company or Mr. Rajeev Kumar Singh and Mr. Rajiv Shekhar, Director of the Company be and are hereby



On letter head of company

authorized severally to issue a certified true copy of this resolution to anyone concerned of interested in this matter."

// CERTIFIED TRUE COPY //

For and on behalf of Board

For Fairmine Carbons Private Limited

FAIRMINE CARBONS PRIVATE LIMITED



Director

Rajiv Shekhar

Director

Din:08528310

Date:17/05/2022



CERTIFIED TRUE COPY OF RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF FAIRMINE CARBONS PRIVATE LIMITED AT THEIR MEETING HELD ON TUESDAY, 14TH DAY OF OCTOBER 2025, AT THE REGISTERED OFFICE OF THE COMPANY SITUATED AT 401, 4TH FLOOR, CROSSWINDZ, COURT ROAD, RANCHI, JHARKHAND- 834001 AT 11:00 A.M.

ITEM NO. 04. CONSTITUTION OF ENVIRONMENTAL CELL FOR POLICY COMPLIANCE OVERSIGHT.

"RESOLVED THAT the Board of Directors hereby acknowledges the continued applicability of the Company's Environmental Policy, originally approved by the Board on 17 May 2022 and formally signed by the Managing Director on 09 June 2022, attached herewith as Annex I,

and reaffirms its commitment to full compliance with all relevant environmental, forest, and wildlife regulations.

FURTHER RESOLVED THAT a dedicated Environmental Cell shall be constituted at both the project level and the Company's headquarters, comprising qualified personnel responsible for overseeing the implementation of the Environmental Policy, monitoring compliance, and facilitating timely reporting of any non-compliance.

FURTHER RESOLVED THAT the following officials are hereby nominated to serve in the Environmental Cell:

Project Level:

- Mr. Subhash Sinha, General Manager - Mines (Head of Environmental Cell)
- Mr. Souvik Sarkar, Deputy Manager (Environment & Compliances)
- Mr. Sidharth Shankar Dubey, Overman, (Compliances)

Company Headquarters:

- Mr. Anand Kumar, Deputy Manager (Geology & Environment)

FURTHER RESOLVED THAT the Environmental Cell shall function under the supervision of Mr. Subhash Sinha, General Manager - Mines, and all members of the Cell,



including Mr. Sinha, shall report directly to the Head of the Organization, **Mr. Rajiv Shekhar, Director**, for all matters related to environmental compliance.

FURTHER RESOLVED THAT a copy of this Resolution shall be submitted to the Ministry of Environment, Forest and Climate Change (MoEF&CC), or any other authority concerned with environmental compliance, as and when required."

// CERTIFIED TRUE COPY //

For and on Behalf of the Board

For **FAIRMINE CARBONS PRIVATE LIMITED**

Date: 14.10.2025

Place: Ranchi

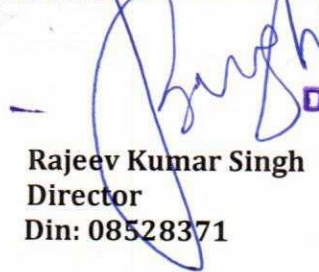
FAIRMINE CARBONS PRIVATE LIM.



Director

Rajiv Shekhar
Director
Din: 08528310

FAIRMINE CARBONS PRIVATE LIM.



Director

Rajeev Kumar Singh
Director
Din: 08528371



Office Order

Date:04 .08.2025

Subject: Constitution of Environmental Cell as per Corporate Environmental Responsibility Guidelines

In accordance with the provisions of Point No. 3, Section 10 of the Corporate Environmental Responsibility (CER) framework, an Environmental Cell is hereby constituted within the organization to ensure the effective planning, execution, monitoring, and review of environmental initiatives and compliance obligations.

The composition of the Environmental Cell is as follows:

1. Mr. Souvik Sarkar
2. Mr. Siddhrath Shankar Dubey
3. Mr. Sanjay kumar

This cell shall be responsible for:

- Implementing environmental management strategies aligned with CER norms.
- Coordinating and overseeing environmental compliance activities.
- Facilitating internal and external environmental audits.
- Promoting sustainability and environmental awareness within the organization.
- Submitting periodic reports to the Management on environmental performance and initiatives.

The cell will function under the direct supervision of the General Manager and shall meet on a quarterly basis or as and when required.

This order comes into immediate effect.

Authorized Signatory

Subhash Kumar
04/08/2025

Subhash Kumar
General Manager/Agent
Rajhara North (Central & Eastern)Coal Mines
Fairmine Carbons Private Limited



ACTION PLAN FOR IMPLEMENTING ENVIRONMENT MANAGEMENT PLAN (EMP)& ENVIRONMENTAL CONDITIONS ALON WITH RESPONSIBILITY MATRIX	
Project Name	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCASST PROJECT
Location	Village: Pandwa & Rajhara Teshsil- Pandwa & Nawa Bazar District- Palamu, State- Jharkhand
Project Area	116.80 Ha.
Capacity	0.75 MTPA
EC Identification Number	EC22B000JH195568
Category	B-1
Lessee:	M/s Fairmine Carbons Pvt. Ltd.
Proponent Address	Regd. Office- 4 th Floor, Crosswind Building, 41, Court Road, Ranchi, Jharkhand Pin Code- 834001
ENVIRONMENT CONSULTANTS	
M/S SABZ CARE ENVIRONMENTAL CONSULTANCY PVT. LTD. <i>A QCI (NABET) Accredited Environment Consultants</i>	
<i>Head Office</i>	Aarti Bhawan, S.N. Bose Road, Bawan Bighas, P.O.- Madhupur, Dist- Deoghar, Jharkhand
<i>Website</i>	www.sabzcare.com
<i>E-mail</i>	scecplmdp@gmail.com
<i>Phone No.</i>	9334315731

<i>ACTION PLAN FOR EMP</i>	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				<i>Rev. No. 001</i>
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Index

S.N.	Particulars	Page No.
1.	Introduction	3
2.	Organization	4
3.	Non Conformity	5
4.	Awareness & Training Programe	5
5.	CER Budget	5
6.	Impact Matrix	7-24
7.	Conclusion	25

<i>ACTION PLAN FOR EMP</i>	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				<i>Rev. No. 001</i>
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Introduction

As per original allotment letter No. 13016/52/2008-CA-I dated 20.11.2008, Rajhara North (C&E) Coal Block was allotted to M/s Mukand Ltd. and M/s Vini Iron & Steel Udyog Ltd for their captive steel plant of the former at Hospet, Karnataka and sponge Iron (DRI) Plant at Seraikela, Jharkhand respectively. As per order of Supreme court dt 24th September 2014 the block allotted to MVMIL was cancelled. Subsequently, the block came up for auction for commercial mining and Fairmine Carbons Private limited was declared the successful bidder by Ministry of Coal. The vesting order issued by MoC vide Letter No. NA-104/11/2020-NA dated: 03/03/2021. A mining plan with a planned capacity of 0.75 MTPA was approved by Ministry of coal vides Letter No. : JHJH014/APP0070/2021 DT 2022-05-17. Later Environment Clearance (EC) for this project was granted by State Environment Impact Assessment Authority, Jharkhand vide **EC identification Number- EC22B000JH195568 on 04.11.2022.**

The Daltonganj Coalfield is one of the three Palamu Coal fields and covers an area of 250 Sq Km. The Coalfield is comprising of two sub-basins viz. Rajhara – Lohari – Kathautia – Godariadih in the north and Singra – Meral sub basin in the south. **Rajhara North (C&E) Coal Block** is located in the North-Western part of Daltonganj Coalfield.

In preceding chapters impact of project activities on environmental attributes in study area have been discussed and assessed. Keeping this in view, appropriate environment pollution mitigation measures to be implemented during operational phase of project have been recommended.

It is also essential to ensure that quality of environmental attributes during operational phase of project remains within the specified limit.

In order that all recommended mitigation measures are implemented effectively and that quality of environmental attributes remain within prescribed limit, a multilevel organization with clearly defined responsibility & accountability is setup along with dedicated budget.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Organization

An Environment Management Cell has been created for environment management of the Project. This cell is headed by Environment Executive reporting to project Manager of the project.

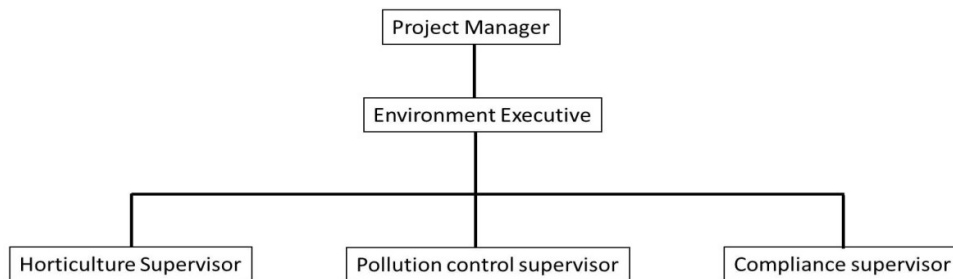


Fig-1: Structure of Environment Management Cell

Land reclamation supervisor

He will be responsible for raising greenbelt and its maintenance and land reclamation.

Pollution Control Supervisor

He would be responsible for operation and maintenance of pollution control activities including water sprinkling, waste water treatment, maintenance & repair of garland drains, decantation ponds etc.

Compliance Supervisor

One component of environment management of the Project is to ensure compliance to statutory provisions including compliance to EC conditions, compliance to conditions prescribed in CTE & CTO and measures to be taken in case of non-conformity to EC conditions are observed. He would be responsible for regular environment monitoring for the Project. For this, he is to liase with Environment Lab for environmental monitoring.

The project proponent has, in compliance to TOR condition submitted an affidavit to the effect that they will comply to all general and specific condition prescribed in environment clearance letter.

<i>ACTION PLAN FOR EMP</i>	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				<i>Rev. No. 001</i>
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Non Conformity

During the operational phase of project, a situation may arise when there is non-conformity to EC conditions/ CTE conditions, CTO conditions or level of air/water/ noise pollution exceeds the prescribed level.

If this situation occurs at any point of time, it will be duty of compliance supervisor to bring non-conformity to his reporting officer i.e. Env. Executive.

It will be also his duty to draw a time bound action plan to correct the situation along with budget for implementation of action plan. It will be duty of Environment Executive to get the approval of action plan from the Project Manager and execute the action plan.

Awareness & Training Programe

Integrated component of effective environment management of a project is to inculcate awareness among workmen and people around the lease area. For this purpose, placards carrying messages related to benefits of maintaining good environment protection measures would be placed at strategic locations inside and outside lease area.

Proponent would observe environment week once a year in first week of June.

In addition, Proponent would organize training programme sessions for updating environmental practices for engineers, geologist and env. Supervisor engaged in the project.

CER Budget

As per prevailing guideline of MoEF&CC CER Budget has been work out to Rs 89 Lakhs. This covers cost of activities to be carried out as per commitment made by the proponent during the public hearing.

Budget

Project cost 126 Crore

For implementation of various activities related to environment management of project, a dedicated budget has been provided. Break-Up of capital & revenue budget for environment management is given below:

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

Table No.-1: Budget

Sl. No.	Particulars	Cost (LAKHS)
CAPITAL COST		920.00
1.	Water Quality Management Rainwater Harvesting Sedimentation Pond Garland Drain	66.00
2.	Air Quality Management Mobile Water Sprinklers Dust Control in Coal Handling Plant Fixed Water Sprinkler on permanent haul road	86.00
3.	Technical & Biological Reclamation of Dump (69.66Ha.)	635.00
4.	Plantation in virgin area & safety zone (11.91Ha.)	24.00
5.	Obtaining Environmental Clearance including Preparation of EIA/EMP with baseline data generation & public consultation	20.00
6.	CER	89.00
REVENUE BUDGET		50.00
A.	Environment Monitoring	10.00
B.	Environment Management	40.00
MINE CLOSURE BUDGET		2330.00
1.	Progressive Closure	1640.00
2.	Dismantling of Infrastructure and Disposal/rehabilitation of mining machinery	94.00
3.	Safety & Security	172.00
4.	Technical & Biological Reclamation of mined out of land and OB Dump	152.00
5.	Post Closure management & Supervision	122.00
6.	Others	150.00
SIA BUDGET		6949.24
Compensation		
1	Compensation For Land (Including Solatium)	3658.74
2	Compensation For Structure(Including Solatium)	1704.00
<i>R&R Assistance</i>		
3	Housing Grant	249.00
4	One Time Rehabilitation Grant	1000.00
5	One Time Resettlement allowance	100.00
6	Subsistence Allowance	72.00
7	One Time Shifting Assistance	83.00
8	Training	20.00
9	Road(Lumsum)	20.00
10	Water Supply System	5.00
11	CPRs	37.50
GRAND TOTAL		10,199.24

<i>ACTION PLAN FOR EMP</i>	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				<i>Rev. No. 001</i>
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Impact Matrix

During operational stage of the mine, the project related activities will generate environmental pollutants which are likely to affect quality of environmental attributes in study area. Appropriate effective, practical and tested mitigation measures are to be taken to minimize the impact on environment and to ensure maintenance of acceptable quality of environmental attributes. Type of mitigation measures will include preventive and control measures. Planning & design of appropriate mitigation measures is guided by nature of impact and its magnitude. Keeping this in view anticipated impact on different environmental attributes has been assessed as described below.

Table 2 & 3 given below shows the impact matrix related to a typical mining project. It shows the effect of project activities on various environments attributes during different phases of project. These matrices help in identification of environmental attributes that are likely to be affected by different project activities. Based on these identification impact assessment has been carried out.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

**Table No.-2: Activity & Environmental Impact (Impact Identification Matrix)-
Construction Phase**

Environment Component	Abiotic						Biotic	Socio Economic	Others				
	Climate	Atmosphere		Land		Water			Flora	Fauna	Socio Economic	Waste Management	Occupational health and safety
Factors	Micrometeorology	Air quality	Noise and vibration	Geology	Soil	Surface Water	Ground Water						
Construction Stage													
Site clearing,		√	√	√				√	√	√		√	
Road Formation		√	√		√			√	√	√		√	
Site services		√	√		√		√		√	√		√	

√ Indicates Impact

**Table No.-3: Activity & Environmental Impact (Impact Identification Matrix)-
Regular Operation Stage**

Environment Component	Abiotic						Biotic	Socio Economic	Others				
	Climate	Atmosphere		Land		Water			Flora	Fauna	Socio Economic	Waste Management	Occupational health and safety
Factors	Micrometeorology	Air quality	Noise and vibration	Geology	Soil	Surface Water	Ground Water						
Construction Stage													
Site clearing,		√	√	√				√	√	√		√	
Road Formation		√	√		√			√	√	√		√	
Site services		√	√		√		√		√	√		√	

√ Indicates Impact

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

Table No.-4: Action Plan Environment Management Plan and Environmental conditions with responsibility Matrix

SN	Component	Specific Target	Time Frame for Completion	Resources Required	Specific Responsibility
EMP during Construction Phase					
1.	Air Environment	To confirm minimum air emissions from vehicular movement by periodically checked it for PUC.	Immediate before commissioning of project activity and after six month of previously taken PUC.	1) Revenue 2) JSPCB authorized PUC Center	Pollution Control supervisor shall ensure to obtain PUC certificate for all transport vehicles.
		Spraying of water on loose top soil to prevent re-suspension of dust into ambient air due to movement of vehicles etc.	Everyday till completion of construction work or till construction of paved road.	1) Water Tankers 2) Manpower 3) Revenue	Pollution Control supervisor shall ensure to mitigate dust emissions during vehicular transport within plant premises.
		Traffic Management	During Construction Phase	Man Power & Vacant Space	Environment Executive will make sure that Security personal has to maintain the records of vehicle and to control internal vehicle traffics to avoid accidents
		Installation of Mobile Water Sprinklers and Fixed Water Sprinklers on Haul Road	During Construction Phase	1)Revenue 2)Manpower	Pollution Control supervisor shall ensure the installation of Mobile Water Sprinklers and Fixed Water Sprinklers on Haul Road.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

2.	Water Environment	Construction of Settling Pond, Garland Drain, Retaining Wall and Rainwater Harvesting Pond	Before commissioning of proposed production; 3Month after grant of Environmental Clearance.	1) Manpower 2) Electricity 3) PPEs 4) Transportation 5) Competent Person 6) Revenue	Project Manager has to ensure completion of Construction of Settling Pond, Garland Drain, Retaining Wall and Rainwater Harvesting Pond with recommended specifications. Environment Executive has to ensure safe working operation by workers.
		Provision of silt trapping in the surface drainage system for the stockpile area	It shall be done before storage of construction material at site	1) Manpower 2) Revenue 3) Silt traps	Pollution Control Supervisor in consultation of Environment Executive shall ensure fixing of silt traps wherever necessary, to avoid Chocking of drainage line and contamination of nearby water streams.
		Sanitation Facilities for proposed workers-Mobile Toilets	It shall be provided during construction phase of the unit, shall be cleaned weekly.	Revenue	Pollution Control Supervisor shall ensure it.
3	Noise Environment	Provision of PPEs and safety training to workers	Suitable PPEs and Safety training/ safe work instruction shall be given before starting of any activities	PPEs as required for particular operation	Environment Executive shall make arrangement of suitable PPEs for workers.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

		Installation of acoustic enclosures to all noise generating equipment's	Before commissioning of proposed production; 1 Month after grant of Environmental Clearance	<ol style="list-style-type: none"> 1) Acoustic enclosures as per IS standard 2) Competent personnel 3) Electricity 4) PPEs 5) Fitting equipment's 	Project Manager & Environment Executive has to ensure installation of all components with IS specification. Environment Executive has to ensure safe working operation by workers
4	Solid Waste Management	Disposal of solid waste generated during construction phase	Timely disposal of construction waste or After completion of construction phase	<ol style="list-style-type: none"> 1) Manpower 2) Transport 3) PPEs 	Environment Executive & Pollution Control Supervisor has to ensure safe and scientific disposal of construction waste.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

SN	Component	Specific Target	Time Frame for Completion	Resources Required	Specific Responsibility
EMP during Operational Phase					
1.	Air Environment	Installation of new air pollution control devices like, Dust Suppression Device (wet drinking system) and air conditioning devices in cabins of excavators & drilling ring and Installation of Continuous Ambient Air Quality Monitoring Station in Core Zone & Buffer Zone	Before commissioning of proposed production; 2 Month after grant of Environmental Clearance	1) Manpower 2) Electricity 3) Metal Sheet Welding and Machineries 4) Transportation 5) PPEs Competent 6) Personals 7) Revenue fitting	Project Manager has to ensure installation of all APCDs with IS specification and installation of Continuous Ambient Air Quality Monitoring Station in Core Zone & Buffer Zone. Environment Executive has to ensure safe working operation by workers
		To ensure continuous operation and timely maintenance of all APCDs	Continuous during operational phase of the unit, shall be checked once in shift.	1) Manpower 2) Revenue	Pollution Control supervisor of the plant & designated operator shall ensure continuous working of all APCDs

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

		Ambient Air Quality, Point Source and Work place air Monitoring to ensure Safe work environment and efficiencies of APCDs	As mentioned in Environmental Monitoring Program	1) Monitoring equipment's 2) NABL approved Laboratory for testing 3) Competent person 4) Electricity 5) PPEs	Compliance Manager shall ensure implementation of Environment Monitoring Programme
		To confirm no air emissions from vehicular movement by periodically checked it for PUC.	Every Six month after commissioning of operational phase	Revenue JSPCB Authorized PUC Center	Pollution Control supervisor Shall ensure to obtain PUC certificate for all transport vehicles.
2.	Water Environment	Construction of desiltation Pond and ZLD condition to be followed.	Operation of same shall be done to treat Effluent generated in Coal Handling Plant	1) Manpower 2) PPEs	Environment Executive shall ensure continuous and efficient operation of it, However, Pollution Control Supervisor shall monitor overall activity and ensure ZLD operation of unit. Project Manager shall ensure safe work operation by providing PPE to the operators.
		Water quality monitoring	As mentioned in Environmental Monitoring Program	1) Sampling equipment's 2) NABL approved Laboratory for testing 3) Competent person 4) PPEs	Compliance Manager shall ensure implementation of Water Quality Monitoring, and to maintain the range outlet parameter as part of JSPCB consent compliance

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

		Maintenance of storm water garland drain and Mine Dewatering	Maintenance of storm water garland drain shall be done prior to arrival of monsoon season	<ol style="list-style-type: none"> 1) Maintenance equipment's 2) Manpower 3) Revenue 	Environment Executive with consultation of Project Manager shall ensure yearly maintenance of garland drain. Mine discharge water is proposed to be collected in a sump located at the surface from where it will be pumped out after sedimentation to arrest suspended solids.
3.	Noise Environment	Noise Monitoring of different work zones	As mentioned in Environmental Monitoring Program	<ol style="list-style-type: none"> 1) Monitoring equipment's 2) NABL approved Laboratory for testing 3) Competent person 4) Electricity 5) PPEs 	Compliance Manager shall ensure implementation of Noise Monitoring Programme.
		Provision of PPEs to workers	Before commissioning of activities	<ol style="list-style-type: none"> 1) PPEs 2) Revenue 	Environment Executive shall ensure provision of PPEs for all workers
		Regular medical examination for any symptoms related to occupational diseases	Every year for general employees & monthly for workers, continuously exposing to coal dust & higher noise level	<ol style="list-style-type: none"> 1) Certified 2) Revenue 	HR team shall ensure periodic medical checkup of employees with consultation of Project Manager & Environment Executive

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

4.	Solid Waste Management	Solid Waste Management- Hazardous Waste	As per HW management guidelines	Storage area, PPEs, Competent person	Environment Executive has to comply all statutory conditions mentioned under HW management rule. He will also ensure to get NOC for Hazardous Waste addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016 as amended from time to time.
5	Greenbelt Development	Greenbelt shall be developed to increase aesthetic values of project land and to mitigate impacts from Dust and noise pollution	Greenbelt shall be developed immediately after grant of Consent to Operate.	1) Plant Saplings 2) Soil 3) Manure 4) Equipment's 5) Manpower 6) Water	Horticulture Supervisor shall ensure development of greenbelt and its maintenance in Safety Zone and Virgin area (11.91 Ha)
6	Occupational health & safety	To maintain safe & healthy work environment by providing PPEs, trainings, conducting medical checkups, Mock drills etc.	Periodically as needed	1) PPEs 2) Medical Practitioners 3) Trainers 4) Safety Committee	Environment Executive shall ensure to fulfill the said requirement.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

Table No.-5: Year wise progress of implementation of action plan of EMP As on 01.10.2025

SN	Component	Specific Target	Time Frame for Completion	Specific Responsibility	Implementation Status as on 01.10.2025
EMP during Construction Phase					
1.	Air Environment	To confirm minimum air emissions from vehicular movement by periodically checked it for PUC.	Immediate before commissioning of project activity and after six month of previously taken PUC.	Pollution Control supervisor shall ensure to obtain PUC certificate for all transport vehicles.	Complied. PUC certificate for all vehicles and machineries has been obtained. It will be renewed after every six months.
		Water sprinkling on transport road to prevent re-suspension of dust into ambient air due to movement of vehicles etc.	Everyday till completion of Construction work	Pollution Control supervisor shall ensure to mitigate dust emissions during Construction phase	Complied. Regular Water sprinkling was done on transport for dust suppression.
		Traffic Management	During Vehicular movement	Environment Executive will make sure that Security personal has to maintain the records of vehicle and to control internal vehicle traffics to avoid accidents.	Complied. Records of Vehicles Transport were maintained.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

		Installation of Mobile Water Sprinklers and Fixed Water Sprinklers on Haul Road	During Construction Phase	Pollution Control supervisor shall ensure the installation of Mobile Water Sprinklers and Fixed Water Sprinklers on Haul Road.	To be Complied.
2.	Water Environment	Construction of Settling Pond, Garland Drain, Retaining wall, Catch drain around external dump and Rainwater Harvesting Pond	Before commissioning of proposed production ; 2 Month after grant of Grant of Consent to Operate	<p>Project Manager has to ensure completion of Settling Pond, Garland Drain, Retaining wall, catch drains and Rainwater Harvesting Pond construction work with recommended specifications.</p> <p>Environment Executive has to ensure safe working operation by workers</p>	<p>Partially Complied.</p> <ul style="list-style-type: none"> • Construction of Settling pond, Garland drain & retaining wall has been completed • Catch drains/Foot drains would be provided around external dump /stockyard to collect run-off. • Catch drains would be provided with silt traps & sedimentation pond. • Strip plantation using native species would be done along toe of dump.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

	Approval of perennial stream diversion from WRD of State Govt. & Construction of embankment to prevent inrush of surface water into the mine	During Construction Phase	Pollution Control Supervisor in consultation of Environment Executive shall ensure Approval of perennial stream diversion from WRD of State Govt. & Construction of embankment to prevent inrush of surface water into the mine	To be Complied. Project involves diversion of a small stretch of perennial stream. Scheme for diversion is in the final stage of approval from WRD of State Govt. It would be diverted as per approved scheme. An embankment would be provided as per approved design provision from DGMS would be taken before it is constructed. A comprehensive drainage plan would be developed & implemented to Manage storm water within the lease area.
	Sanitation Facilities for proposed workers-Mobile Toilets	It shall be provided during construction phase of the unit, shall be cleaned weekly.	Pollution Control Supervisor shall ensure it.	Complied.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

3	Noise Environm ent	Provision of PPEs and safety training to workers	Suitable PPEs and Safety training/ safe work instruction shall be given before starting of any activities	Environment Executive shall make arrangement of suitable PPEs for workers.	Complied. Ear Plugs has been provided to all workers. Safety training/ safe work instruction has been also given to all workers.
		Installation of acoustic enclosures to all noise generating equipment's	Before commissioning of proposed production; 1Monthafter grant of Consent To Operate	Project Manager & Environment Executive has to ensure installation of all components with IS specification. Environment Executive has to ensure safe working operation by workers	Complied. Installation of acoustic enclosures to all noise generating equipment's has been done.
4	Solid Waste Managem ent	Disposal of solid waste generated during construction waste	Timely disposal of construction waste or After completion of construction phase	Environment Executive & Pollution Control Supervisor has to ensure safe and scientific disposal of construction waste.	Complied. All solid waste (construction waste) generated during construction phase was used for haul road construction

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

EMP during Operational Phase					
1.	Air Environment	Installation of new air pollution control devices like, Dust Suppression Device (wet drinking system) and air conditioning devices in cabins of excavators & drilling ring and Installation of Continuous Ambient Air Quality Monitoring Station in Core Zone & Buffer Zone	Before commissioning of proposed production; 2 Month after grant of Consent to Operate.	Project Manager has to ensure installation of all APCDs with IS specification. Environment Executive has to ensure safe working operation by workers	Partially Complied. Installation of new air pollution control devices like, Dust Suppression Device (wet drinking system) and air conditioning devices in cabins of excavators & drilling ring has been completed. Procurement of CAAQMS has been made. Steps have been taken to establish & commission Continuous AAQ monitoring station in Core & Buffer Zone.
		To ensure continuous operation and timely maintenance of all APCDs	Continuous during operational phase of the unit, shall be checked once in shift.	Pollution Control supervisor of the plant & designated operator shall ensure continuous working of all APCDs	Being Complied

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

		Ambient Air Quality, Point Source and Work place air Monitoring to ensure Safe work environment and efficiencies of APCDs	As mentioned in Environmental Monitoring Program	Compliance Manager shall ensure implementation of Environment Monitoring Programme	Being Complied. Ambient Air Quality, Point Source and Work place air Monitoring is being done by NABL recognized lab as per EIA/EMP & EC Condition & Consent to Operate from JSPCB
		To confirm no air emissions from vehicular movement by periodically checked it for PUC.	Every Six month after commissioning of operational phase	Pollution Control supervisor Shall ensure to obtain PUC certificate for all transport vehicles.	Being Complied.
		Water sprinkling on haul road, transport road and critical areas like loading/unloading & transfer points to prevent re-suspension of dust into ambient air due to movement of vehicles etc.	Everyday till completion of Mining work	Pollution Control supervisor shall ensure to mitigate dust emissions during vehicular transport in Core zone as well as buffer zone	Being Complied. Regular Water sprinkling is being done on Haul Road, Transport Road, Loading & Unloading area, Transfer points for dust suppression.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	116.80 Ha.	Pandwa & Rajhara	Pandwa & Nawa Bazar	Palamu	

2.	Water Environment	Construction of desiltation Pond and. ZLD condition to be followed. Construction of Rainwater Harvesting Pond	Operation of same shall be done to treat Effluent generated in Coal Handling Plant	Environment Executive shall ensure continuous and efficient operation of it, However, Pollution Control Supervisor shall monitor overall activity and ensure ZLD operation of unit. Project Manager shall ensure safe work operation by providing PPE to the operators.	To be Complied. Preparation of desiltation pond is under consideration and it will be completed soon.
		Water quality monitoring	As mentioned in Environmental Monitoring Program	Compliance Manager shall ensure implementation of Water Quality Monitoring, and to maintain the range outlet parameter as part of JSPCB consent compliance	Being Complied. Water Quality Monitoring is being done by NABL recognized laboratory as per EMP & JSPCB consent conditions
		Maintenance of storm water garland drain & Settling pond and Mine Dewatering	Maintenance of storm water garland drain shall be done prior to arrival of monsoon season	Environment Executive with consultation of Project Manager shall ensure yearly maintenance of garland drain & settling pond. Mine discharge water is proposed to be collected in a sump located at the surface from where it will be pumped out after sedimentation to arrest suspended solids	Being Complied. Garland drain & settling pond is being maintained. Expansion of settling pond is under process. Mine discharge water is being pumped out in settling pond and treated water is being use for water sprinkling

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

3.	Noise Environment	Noise Monitoring of different work zones	As mentioned in Environmental Monitoring Program	Compliance Manager shall ensure implementation of Noise Monitoring Programme.	Being Complied. Noise Monitoring of different work zones is being done by NABL recognized laboratory as per EMP & JSPCB consent conditions
		Provision of PPEs to workers	Before commissioning of activities	Environment Executive shall ensure provision of PPEs for all workers	Complied. Personal protective equipments like ear plugs/muffs has been provided to workers engaged in blasting & drilling operations
		Regular medical examination for any symptoms related to occupational diseases	Every year for general employees & monthly for workers, continuously exposing to coal dust & higher noise level	HR team shall ensure periodic medical checkup of employees with consultation of Project Manager & Environment Executive	Being Complied. Periodic medical checkup of employees is being done and records have been maintained.

ACTION PLAN FOR EMP	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				Rev. No. 001
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

4.	Solid Waste Management	Solid Waste Management- Hazardous Waste	As per HW management guidelines	Environment Executive has to comply all statutory conditions mentioned under HW management rule	Partially Complied. Solid Waste & Hazardous waste is being managed as per rule. NOC for Hazardous Waste is under process in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste
5	Greenbelt Development	Greenbelt shall be developed to increase aesthetic values of project land and to mitigate impacts from Dust and noise pollution	Greenbelt shall be developed immediately after grant of Environmental Clearance in Safety Zone & Virgin Area (11.91 Ha)	Horticulture Supervisor shall ensure development of greenbelt and its maintenance.	To be complied. Greenbelt development in Safety Zone & Virgin Area (11.91 Ha) is under process
6	Occupational health & safety	To maintain safe & healthy work environment by providing PPEs, trainings, conducting medical checkups, Mock drills etc.	Periodically as needed	Environment Executive shall ensure to fulfill the said requirement.	Being Complied. PPEs have been provided to workers. Training, Medical checkups and Mock drills are also being organized at periodical interval.

<i>ACTION PLAN FOR EMP</i>	RAJHARA NORTH (CENTRAL & EASTERN) COAL BLOCK OPENCAST PROJECT				<i>Rev. No. 001</i>
	<i>Area</i>	<i>Village</i>	<i>Tehsil</i>	<i>District</i>	
	<i>116.80 Ha.</i>	<i>Pandwa & Rajhara</i>	<i>Pandwa & Nawa Bazar</i>	<i>Palamu</i>	

Conclusion

The implementation of the Environmental Management Plan (EMP) along with the proposed Action Plan and Responsibility Matrix ensures that all mining operations of the Rajhara North (Central & Eastern) Coal Block Opencast Project are carried out in an environmentally sustainable and socially responsible manner.

The Action Plan clearly delineates the responsibilities of various departments and personnel to achieve effective environmental protection, pollution control, and compliance with statutory requirements. Regular monitoring, reporting, and review mechanisms have been integrated to ensure timely identification of potential impacts and adoption of corrective measures.

By adhering to the EMP, the project proponent — M/s Fairmine Carbons Pvt. Ltd. — commits to:

- Minimizing adverse environmental impacts through systematic mitigation measures.
- Promoting resource conservation, greenbelt development, and progressive mine reclamation.
- Ensuring occupational health, safety, and welfare of workers and nearby communities.
- Maintaining continuous liaison with regulatory authorities and stakeholders.

The coordinated implementation of this Action Plan, supported by a robust Responsibility Matrix, will facilitate the achievement of sustainable mining practices, ensuring compliance with MoEF&CC guidelines, CPCB/ SPCB norms, and the Environmental Clearance (EC) conditions. This integrated approach will not only protect the environment but also enhance the long-term socio-economic benefits of the mining project.



Ref no- FCPL/RNC/25-26/050

Date: 27/06/2025

To,
The Member Secretary
Jharkhand State pollution Control Board (JSPCB)
Township Administration Building,
HEC Complex, Dhurwa, Ranchi 834004

Subject: - Submission of Annual Environmental Statement (Form 5) of "Rajhara North (Central & Eastern) Coal block opencast project" located at, Village- Pandwa and Rajhara, Block - Pandwa and Nawabazar , Thana- Pandwa, District - Palamu, Jharkhand : Total Land Area:- 116.80 Ha.

Ref:

- 1. Environment Clearance no. EC22B000JH195568, File no. EC/SEIAA/2022-23/2573/2022 dated 04/11/2022.*
- 2. CTO ref no- JSPCB/HO/RNC/CTO-20466937/2024/1725, dated 13/11/2024.*

Dear Sir / Madam,

With reference to the above-mentioned subject, we are submitting the Annual Environmental Statement (Form 5) for period of April, 2024 to March, 2025 of "Rajhara North (Central & Eastern) Coal block opencast project" located at, Village- Pandwa and Rajhara, Block - Pandwa and Nawabazar , Thana- Pandwa, District - Palamu, Jharkhand.

Thanking You

Yours Faithfully


Rajiv Shekhar
Director
Fairmine Carbons Private Limited



Encl: Environmental Statement for the financial year ending with 31st March 2025 (Form-V)

Cc: Integrated Regional Office (IRO) - Ranchi, MOEF & CC, Harmu Chowk, Ranchi.

¹[FORM – V]

(See rule 14)

Environmental Statement for the financial year 2024-2025(Financial year ending 31st March, 2025)


PART - A

- (i) Name and address of the owner/occupier of the industry operation or process.
NOMINATED OWNER: - Mr. RAJEEV KR. SINGH, RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE OF M/S FAIRMINE CARBONS PVT. LTD. , MAUZA – PANDWA & RAJHARA, P S – PANDWA, District- PALAMU – JHARKHAND.
AGENT: - MR. SUBHASH SINHA, RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE OF M/S FAIRMINE CARBONS PVT. LTD. , MAUZA – PANDWA & RAJHARA, P S – PANDWA, District- PALAMU – JHARKHAND.
MINE MANAGER: - MR. KALYANI KRIPA CHOUBEY, RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE OF M/S FAIRMINE CARBONS PVT. LTD. , MAUZA – PANDWA & RAJHARA, P S – PANDWA, District- PALAMU – JHARKHAND.
- (ii) Industry category Primary/Secondary: Primary (Coal Mining Industry)
- (iii) Production capacity: - COAL – 0.75 MTPA (PRODUCED COAL (5992 TONNES ON FY – 2024-25).
- (iv) Year of establishment- 19TH JANUARY 2025.
- (v) Date of the last environmental statement submitted – N/A

PART – B

Water and Raw Material Consumption

- (i) Water consumption m³/d: 2024-25
Process: NA
Cooling /Sprinkling and any other use: N/A
Domestic: 1.2 M³/Day (1.2 KLD)
Name of Products: COAL
Water consumption per unit of product output.NA
During the previous financial Year – 2023-24
N/A
- | During the previous financial Year – 2023-24 | During the Current financial Year 2024-25 |
|--|---|
| N/A | 25 M ³ /Day (25 KL/D) |



(ii) **Raw Material Consumption (PER TON OF COAL PRODUCTION):**

H.S.D (L/T) – 20.21 L/T

LUBRICANTS (L/T) – 5.3 L/T

EXPLOSIVES (Kg/T) – 1.96 Kg/te

PART - C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued):

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water b) Air	ONLY MINE WATER IS DISCHARGED THROUGH SETTLING POND.(REPORT SUBMITTED) AAQ REPORT is enclosed.		

PART – D

Hazardous Wastes: N.A.

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year	During the current Financial year

NO HAZARDOUS WASTE IS GENERATED IN THE FY 2024-25.

- a) From process: N/A
- b) From pollution control facilities: N.A.
- (c) (1) Quantity recycled or re-utilized within the unit: N/A
- (2) Sold
- (3) Disposed



PART – E
Solid Wastes

- (a) From process: TOP SOIL & **OVERBURDEN**
- (b) From pollution control facility – N/A
- (c) (1) Quantity recycled or re-utilized within the unit :N/A
Reutilized for Road maintenance
- (2) Sold : N/A
- (3) Disposed : N/A

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

NO HAZARDOUST WASTE IS GENERATED.
SOLID WASTE LIKE OVERBURDEN IS DUMPED IN DESIGNATED PLACE.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Pollution abatement measures in RAJHARA NORTH (CENTRAL & EASTERN) COAL MINE of M/s FAIRMINE CARBONS PVT LTD, PANDWA & RAJHARA, PALAMU (JHARKHAND) has taken as per conditions stipulated in Environmental Clearance as follows:-

- Air Pollution Control Measures (AAQ) - report attached.
- Water Pollution Control measures – report attached.
- Ambient Noise Pollution Control Measures – report attached.

The abatement measures taken by the Company has got better effect on degradation of Environment. The level of AAQ is below the TLV.

Water Quality Analysis also indicates that all the parameters are below TLV.

The pollution abatement measures taken by company has positive impact on environment. The cost of abatement measures for pollution & reclamation activities is approx. Rs 42 per ton of coal produced.



PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

The environmental control system undertaken by the company seems to be sufficient enough, however, if necessary, we proposed to take up more additional measures.

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution will be taken as follows:

- **Environmental Monitoring**
- **Installation of CAAQMS**
- **Dust suppression system**
- **Trees Plantation**
- **Water cess**
- **Biological reclamation**

PART – I

Any other particulars for improving the quality of the environment. –

Plantations, Sedimentation/Settling ponds, CAAQMS for improving the quality of the environment and as **directed by J.S.P.C.B./ MOEFCC.**

