



# GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST. - BURDWAN  
E-MAIL : general\_dgp@graphiteindia.com

To  
The IGF& In charge, GOI, MOEF&CCA/3, Chandrasekharpur  
Integrated Regional Office  
Kolkata, 1B-198, Salt Lake City, Sector III  
Kolkata- 700106  
Email ID- iro.kolkata-mefcc@gov.in

Date: 19.12.2025

**Sub.: Submission of Six Monthly Compliance Report for the period of April 2025 to September 2025**  
**EC Ref.No. : EN/T-II-1/128/2021, Date 10/03/2023**

Sir,

We are pleased to submit the six monthly compliance reports along with necessary enclosures regarding "**Proposed Expansion of Capacity from 52 KTPA to 67 KTPA**" by Graphite India Limited, JL No. – 85 & 92, Vill – Sararbhanga, Durgapur, Dist. – Paschim Bardhaman, West Bengal.

The Compliance Report has been prepared against the conditions mentioned in the Environmental Clearance vide Ref. no. **EN/T-II-1/128/2021, Date 10/03/2023**

We hope that you will do the needful in this regard.

Thanking you

Yours truly,

**For Graphite India Limited,**

Ranadeep Chakraborty  
(Sr. Vice President Works)

## COMPLIANCE STATUS REPORT ON ENVIRONMENTAL CLEARANCE

### GRAPHITE INDIA LIMITED Village – Sagarbhanga, Taluk – Durgapur, District – Paschim Bardhaman, West Bengal – 713211

F. No. : EN/T-II-1/128/2021 date : 10/03/2023

#### I. Statutory compliance

Sl.	Compliance conditions	:	Compliance status
i.	The project proponent shall obtain forest clearance under the provisions for Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose in the project.	:	The project proponent does not required forest clearance as the expansion project is in the existing industrial land.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	:	It is not applicable as the expansion project is in the existing industrial land.
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-I species in the study area).	:	Site-Specific Conservation Plan & Wildlife Management Plan does not required for this project as there is no Schedule I species present in the 10 km radius of the project.

Sl.	Compliance conditions	:	Compliance status
iv.	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.	:	Consent to Establish / operate for existing project are attached as <b>Annexure – 1</b> .
v.	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.	:	There is no drawl of ground water.
vi.	The project proponent shall obtain authorization under the Hazardous and the other Waste Management Rules, 2016 as amended from the time to time.	:	For existing Authorization under the Hazardous and the other Waste Management Rules, 2016 has been obtained. See <b>Annexure – 2</b> . For expansion part HW authorization obtained <b>Annexure -2 (a)</b> .
vii.	The company shall strictly comply with the rules and guidelines under Manufactures, Storage and Import of Hazardous Chemicals (MSHIC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.		The company will comply with applicable rules and guidelines under Manufactures, Storage and Import of Hazardous Chemicals (MSHIC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
ii.	<b>Air quality monitoring and preservation</b>		
i.	The project proponent shall install 24x7 continuous emission system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to SPCB and CPCB online serves and calibrate	:	24x7 continuous emission system at 15 KTPA expansion project process stack to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 is Commissioned & running.

Sl.	Compliance conditions	:	Compliance status
	these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.		Calibration is done time to time. Connection with AAQMS with SPCB done. In New Portal of CPCB connection Approved & uploaded. Photos Attached <b>Annexure – 3</b> .
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	:	Fugitive emissions in the plant premises has been monitored. Reports are attached as <b>Annexure – 4</b> .
iii.	The project proponent shall install system to carryout continuous Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> , and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> emission) within and outside the plant area at least at four locations (one within and three outside the plant area at an angel of 102° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).	:	Continuous Ambient Air Quality Monitoring is installed & Commissioned. The project proponent has monitored Ambient Air Quality from NABL accredited lab. Reports are attached as <b>Annexure – 4 in this compliance form</b> . Photos of CAAQMS is attached as <b>Annexure – 3</b> .
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual monitoring of air quality/fugitive emissions to Regional Office of Ministry of Environment, Forest & Climate Change / State Environment Impact Assessment Authority /State Pollution Control Board / Zonal office of CPCB along with six-monthly monitoring report.	:	The monthly summary of continuous stack emission report emission attached in <b>Annexure- 3A</b> of 15 KTPA expansion processes stack after the Commissioning Date. Results of manual monitoring of air quality/fugitive emissions & Stack monitoring has been carried out. Reports are attached as <b>Annexure – 4</b> . Same is submitted through this report to Regional Office of Ministry of Environment, Forest & Climate

Sl.	Compliance conditions	:	Compliance status
			Change / State Environment Impact Assessment Authority /State Pollution Control Board / Zonal office of CPCB along with six-monthly monitoring report.
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	:	Appropriate Air Pollution Control (APC) system has been provided for 15 KTPA expansion project and also APC has been provided at all dust generating points for existing units. Photograph has been attached as <b>Annexure – 5</b> .
vi.	Sulphur content should not exceed 0.5% in the coal for use fired boilers to control particulate emission within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB guidelines.	:	The unit does not use coal fired boiler so this condition is not in project configuration.
vii.	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.		The DG sets has been equipped with suitable pollution control devices and with the adequate stack height.
viii.	The National Emission Standards for Petroleum Oil Refinery issued by the Ministry vide G.S.R. 186(E) dated 18th March, 2008 and G.S.R. 595(E) dated 21st August, 2009 as amended from time to time shall be followed.		This condition is not in project configuration.
ix.	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th		This condition is not in project configuration.

Sl.	Compliance conditions	:	Compliance status
	November, 2012 as amended time to time shall be followed.		
x.	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.		Storage of raw materials are stored in covered areas to prevent dust pollution and other fugitive emissions.
<b>iii.</b>	<b>Water quality monitoring and preservation</b>		
i.	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/ drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).		Presently there is no discharge of effluent of outside the plant. The unit has commissioned web camera with night vision capability and flow meters in the channel/ drain carrying effluent within the premises. Photos has been attached as <b>Annexure – 3.</b>
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.		The condition is not in project configuration as no Ground water is used. Outside plant in nearby area, Ground water analyzed and report attached as <b>Annexure – 4A</b>
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority/Zonal office of CPCB/ State Pollution Control Board along with six-monthly monitoring report.		Presently there is no discharge outside the plant. Manual monitoring of water quality has been attached as <b>Annexure – 4</b> and same is submitted through this report submitted to Regional Office of Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority/Zonal office of CPCB/ State Pollution Control Board along with six-monthly monitoring report.

Sl.	Compliance conditions	:	Compliance status
iv.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air / Water Act, whichever is more stringent.		The effluent discharge conforms to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air / Water Act, whichever is more stringent.
v.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste / treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).		Zero Liquid Discharge is ensured and no waste / treated water is discharged outside the premises.
vi.	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority / SWID in this regard.		Total fresh water requirement will not exceed the proposed quantity or as specified by the Committee. If supplied water required prior permission will be obtained from the concerned regulatory authority / SWID in this regard.
vii.	Process effluent / any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.		Process effluent / any wastewater is not allowed to mix with storm water. The storm water from the premises is collected and discharged through a separate conveyance system.
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent.		The project proponent implemented rainwater harvesting as proposed in EIA. Photographs of existing rainwater harvesting tank is attached herewith. <b>Annexure – 6.</b>
ix.	The project proponent shall make efforts to minimise water consumption in the complex by		The project proponent has made efforts to minimize water consumption in the complex by

Sl.	Compliance conditions	:	Compliance status
	segregation of used water, practicing cascade use and by recycling treated water.		segregation of used water and by recycling treated/filtered water.
<b>iv.</b>	<b>Noise monitoring and prevention</b>		
<b>i.</b>	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.		Acoustic enclosure is provided to DG set for controlling the noise pollution.
<b>ii.</b>	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.		The overall noise levels in and around the plant area is kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
<b>iii.</b>	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.		The ambient noise levels conforms to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time. Reports of existing plant are attached as <b>Annexure – 4.</b>
<b>v.</b>	<b>Energy Conservation measures</b>		
<b>i.</b>	The energy sources for lighting purposes shall preferably be LED based.		The energy sources for lighting purposes is LED based. Photographs are attached as <b>Annexure – 19.</b>
<b>vi.</b>	<b>Waste management</b>		
<b>i.</b>	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.		Hazardous chemicals if any will be stored in as per statutory norms and precaution taken as regulatory requirement.
<b>ii.</b>	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.		Process organic residue is not generated. ETP sludge generated and is disposed off to the TSDF.



Sl.	Compliance conditions	:	Compliance status
iii.	<p>The company shall undertake waste minimization measures as below:-</p> <ol style="list-style-type: none"> <li>Metering and control of quantities of active ingredients to minimize waste.</li> <li>Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>Use of automated filling to minimize spillage.</li> <li>Use of Close Feed system into batch reactors.</li> <li>Venting equipment through vapour recovery system.</li> <li>Use of high pressure hoses for equipment clearing to reduce wastewater generation.</li> </ol>		<p>The company has undertaken the waste minimization measures as mentioned in the condition –</p> <ol style="list-style-type: none"> <li>Project proponent has metering and control of quantities of active ingredients to minimize waste.</li> <li>By-products are reused or sold.</li> <li>Automated filling is used to minimized spillage.</li> <li>The condition is not in project configuration.</li> <li>The condition is not in project configuration.</li> <li>The condition is not in project configuration.</li> </ol>
<b>vii.</b>	<b>Green Belt</b>		
i.	<p>The green belt of 5-10 m width shall be developed in the total project area and also in the compensatory plantation area as proposed by the project proponent. In this regard, O.M. issued by MoEF&amp;CC vide F No 22-2312018.IA.III(Pt.) dated 31.10.2019 should be strictly complied with, as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area. The plantation should be done mainly along the plant periphery, in downward wind direction, and along road sides etc. and also in the colony areas. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. The project</p>		<p>The project proponent has developed Greenbelt within project and colony areas.</p> <p>Green belt at the project area developed as per proposal by planting 688 Plants. Mango – 180 nos, Bakul – 143 nos, Radha Chura- 138 &amp; Krishna Chura- 79 nos , Jack Fruit- 148 nos.</p> <p>Green belt at Colony area is developed as per proposal. The project proponent has followed the plantation plan submitted and uploaded in the PARIVESH portal. Photographs and layout of old colony</p>

Sl.	Compliance conditions	:	Compliance status
	proponent should follow the plantation plan submitted and uploaded in the PARIVESH portal by them. In addition to greenbelt area within project site, 13,018 sq.m. of greenbelt area to be developed in the colony area, as proposed.		and new colony are attached as <b>Annexure – 7.</b>
<b>viii.</b>	<b>Public hearing and Human health issues</b>		
<b>i.</b>	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.		Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is implemented.
<b>ii.</b>	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.		The unit has made the arrangement for protection of fire hazards during manufacturing process in material handling. Fire fighting system is as per the norms.
<b>iii.</b>	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.		Training is imparted to all employees on safety and health aspects to product handling. Routine periodical medical examinations for all employees is done on regular basis. Health register is maintained. Health register and training photographs have been attached as <b>Annexure – 8.</b>
<b>iv.</b>	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.		This condition is not in project configuration.
<b>v.</b>	Provision shall be made for the housing of construction labour within the site with		Provision was made for the housing of construction labour

Sl.	Compliance conditions	:	Compliance status
	all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.		within the site with all necessary infrastructure and facilities. The housing were be in the form of temporary structures removed after the completion of the project.
vi.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.		There is adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking is allowed outside on public places. Parking photographs are attached as <b>Annexure – 9</b> .
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.		Occupational health surveillance of the workers have been submitted on a regular basis and records maintained as per the Factories Act. ESI challan has been attached as <b>Annexure – 10</b> .
ix.	<b>Environment Management Plan (EMP)</b>		
i.	The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-6512017-IA.III dated 30.09.2020 read with O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III(Pt.) dated 31.10.2019 should be strictly complied with, as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.		The project proponent has submitted the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-6512017-IA.III dated 30.09.2020 read with O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III(Pt.) dated 31.10.2019 is strictly complied with, as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area. Photographs of STP used to recycle

Sl.	Compliance conditions	:	Compliance status
			20 KLD kitchen waste water has been attached as <b>Annexure – 11.</b>
ii.	Need based activities for local people is part of the EMP. Details of such activities are submitted by the project proponent is given in Annexure – 3.		Need based activities for local people is part of the EMP has been complied with and addressed in six monthly compliance report. See <b>Annexure – 12.</b>
iii.	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 Ministry of Environment, Forests & Climate Change /State Environment Impact Assessment Authority / State Pollution Control Board as a part of six-monthly report.		The company has prepared environment policy. The policy has been attached as <b>Annexure – 13.</b>
iv.	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.		Project proponent already have environment management system organizational structure which is given in EIA.
v.	Action plan for implementing EMP and environmental conditions along with		Action taken for the EMP which is need based activity for local people

Sl.	Compliance conditions	:	Compliance status
	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 of Environment, Forests & Climate Change / State Environment Impact Assessment Authority/ State Pollution Control Board along with the Six Monthly Compliance Report.		will be complied with and details with the same will be shared in six monthly compliance report. See <b>Annexure – 12.</b>
vi.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.		Self environmental monitoring is done on quarterly basis and reports of the same is submitted to WBPCB. A every year third party environmental management system audit carried out. Audit certificates are attached as <b>Annexure – 14.</b>
x.	<b>Additional conditions</b>		
a.	The project proponent should comply with the conditions mentioned in O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III(Pt.) dated 31.10.2019 as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.		The project proponent complies with the conditions mentioned in O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III(Pt.)dated 31.10.2019 as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.
b.	The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations as proposed within their premises.		The project proponent has installed display board for display of relevant environmental parameters. Photographs attached as <b>Annexure – 3.</b>
xi.	<b>Miscellaneous</b>		

Sl.	Compliance conditions	:	Compliance status
i.	The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.		The given condition is noted.
ii.	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 project proponent has made public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising in two local newspapers of the District or State, of which one shall be in the vernacular language and is also displayed in the project proponent's website permanently. Advertisement and screenshot of the website copy of local newspaper has been attached as <b>Annexure – 15</b> .
iii.	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.		The copies of the environmental clearance is submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government. The intimation copy has been attached as <b>Annexure – 16</b> .
iv.	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.		The project proponent has uploaded 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. Website

Sl.	Compliance conditions	:	Compliance status
			screenshot has been attached as <b>Annexure – 17.</b>
v.	The project proponent shall monitor the criteria pollutants level namely; PM10, S02, 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.		The project proponent has monitored the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and displayed the same in the website through six monthly compliance report.
vi.	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 with a copy to SEIAA/WBPCB.		The project proponent is submitting six-monthly reports on the status of the compliance of the stipulated environmental conditions. Refer <b>Annexure – 17.</b>
vii.	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.		The project proponent has submitted the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board. Submission letter has been attached as <b>Annexure – 18.</b>
viii.	The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.		The project proponent has obtain the CTE and CTO where in the details of the project were being already disclosed.

Sl.	Compliance conditions	:	Compliance status
ix.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.		The condition will be followed.
x.	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 State Expert Appraisal Committee (SEAC).		The project proponent will follow 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 State Expert Appraisal Committee (SEAC).
xi.	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/ MoEF&CC.		No further expansion or modifications in the plant will be carried out without prior approval of the SEIAA/ MoEF&CC.
xii.	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.		The condition will be followed.
xiii.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.		The condition will be followed.
xiv.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.		The condition will be followed.
xv.	The Regional Office of MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office of		The condition will be followed.



Sl.	Compliance conditions	:	Compliance status
	MoEF&CC/SEIAA/WBPCB by furnishing the requisite data / information / monitoring reports,		
<b>xvi.</b>	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.		The condition will be followed.
<b>xvii.</b>	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.		The condition will be followed.

6036

R5969/25



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

Y 249165

24  
12/06/25  
1102275/25

Certified that the Document is Admitted to Registration the Signature Sheet and the Endorsements Attached with this Documents are the Part of this Document.

THIS INDENTURE OF LEASE executed on this  
13<sup>th</sup> day of June, 2025

A.D.S.R. Durgapur  
Paschim Bardhaman

BY AND BETWEEN

13 JUN 2025

Sl. No. 7900 Date 23/05/2025  
Sold to Graphite India Limited  
Address Durgapur  
Value of Stamp 1000/-  
Date of Purchase of this  
Stamp Paper from Treasury 1-1-2025  
Name of this Treasury where  
Stamp Paper Purchase-Durgapur

Khudiram Mondal  
KHUDIRAM MONDAL  
Stamp Vendor  
Durgapur Court  
City Centre, Durgapur-16  
L.No.1



Add. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

**THE GOVERNOR OF THE STATE OF WEST BENGAL** represented by the Special Officer, Urban Development & Municipal Affairs Deptt., Government of West Bengal having its office at "City Centre", Durgapur-16, Dist. Paschim Bardhaman, West Bengal, hereinafter called the "**LESSOR**" (which expression shall unless excluded by or repugnant to the context shall be deemed to mean and include his / her / their heirs, executors, administrators, legal representatives, assigns and successors-in-office) of the **ONE PART/ FIRST PARTY**;

AND

**M/s Graphite India Limited**, a company incorporated under the provisions of the Companies Act. 1956, bearing PAN : AAACC0457C and CIN: L10101WB1974PLC094602, represented by its Executive Director, **Mr. Ashutosh Dixit**, PAN: ACUPD9095L, Aadhaar No. 200311142342, S/O: Mani Lal Dixit, having its registered office at 31, Chowringhee Road, Kolkata- 700016, West Bengal hereinafter called the **LESSEE/SECOND PARTY** (which expression shall unless excluded by or repugnant to the context be deemed to include its heirs, executors, administrators, representatives and assigns) of the **SECOND PART**;

WHEREAS THE Lessee applied to the Government of West Bengal (hereinafter referred to as the Government) for a renewal of lease for the purpose of continuing operation of plant on the land, herein after mentioned and described in part I of the schedule hereunder written within the Industrial Zone on 80' Ft wide road at S.I. area, Durgapur.

AND WHEREAS the Lessor by way of an Allotment had allotted a piece of land admeasuring **50.45 acres** to the lessee for the purpose of Industrial operation.

AND WHEREAS clause 5 of the Deed of Lease bearing No. **I-4418 dated 26.07.1967**, the lessee is entitled to opt for renewal for a period of 30 years and the prayer dated 20.01.2025 of the concerned lessee has been considered in tune with the directions laid down by the Government of West Bengal in the Memo bearing No. 2002/1(1)-UDMA-22012(11)/42/2023-ESTT-TCP SEC-Dept. of UDMA dated 19.12.2024.

**NOW THIS INDENTURE WITNESSETH AS FOLLOWS:**

1. In consideration of payment of Rs. Nil and acknowledged thereof by the **FIRST PARTY** and of the rent hereby reserved and fully mentioned in part II of the schedule hereunder written and of the terms, covenants and conditions contained in part II of the said schedule hereunder written on the part of the lessee to be paid, observed and performed, the Lessor doth hereby grant and demise unto the lessee on "as is where is basis" ALL THAT piece or parcel of land mentioned and described in part -I of the schedule hereunder written (hereinafter referred to as the 'demised premises') TO HOLD the same unto **the lessee for the period of 30 (thirty) years with effect from 03.03.2025**, yielding and paying therefore the **present** at the time and in the manner mentioned in Part - II of the said schedule hereunder written. The lessee has the right to obtain further **renewal** on the terms and conditions as per Govt. rules



Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

and norms, prevalent at the time of renewal for a long term lease for a further period of 30 (thirty) years from 03.03.2025.

**THE SCHEDULE ABOVE REFERRED TO  
PART-I  
PARTICULAR OF THE HOLDING**

- |     |                   |                              |
|-----|-------------------|------------------------------|
| 1.  | L.O.P. No.        | : I-SA/01                    |
| 2.  | R.S. Plot Nos.    | : Annexure -A                |
| 3.  | L.R khatian No.   | : As per annexure attached   |
| 4.  | J.L. No.          | : 85 & 92                    |
| 5.  | Name of the Mouza | : Gopinathpur & Nadiha.      |
| 6.  | Area of the Plot  | : 50.45 acres (more or less) |
| 7.  | Parganas          | : Silampur & Sergarh.        |
| 8.  | P.S.              | : Coke-Oven                  |
| 9.  | ADSR Office       | : City Centre, Durgapur-16   |
| 10. | District          | : Paschim Bardhaman          |

**BOUNDARIES OF THE PLOT**

NORTH BY : SAGAR BHANGA VILLAGE.

SOUTH BY : INDUSTRIAL PLOT OF ADDA.

EAST BY : INDUSTRIAL PLOT OF ADDA & SAGAR BHANGA VILLAGE.

WEST BY : 80' FT. WIDE ROAD.

The demised premises is shown in the map or plan hereto annexed within boundaries in Red colour.

**PART-II**

1. The **LESSEE** to the intent that the obligations herein on the part of lessee/s contained shall agree and covenant with the Lessor that lessee/s shall duly and punctually fulfill observe and perform the terms and conditions and covenants hereinafter expressed.
2. To pay the annual **ground rent** of the demised premises to be paid by 31<sup>st</sup> March of each year @ **Rs.375/-** (Rupees three hundred seventy five) only **per acres** or fraction thereof per annum to the LESSOR. The rate of the Ground Rent may be amended from time to time by the LESSOR, as mentioned in the **Head Lease Deed** dated 26.07.1967 for enhancement of rent to the extent of 25%.

Ashwath Dixit





Addl. Dist. Sub-Registrar  
Durgapur, P. Bardhaman

13 JUN 2025

3. The Lessee shall abide by the notification issued by the Government of West Bengal being no. 2954(40)-LA/5C-134/06 dated 07/06/2007 along with the duty to meet up aforesaid ground rent. Any default of the said claim will be recovered under the provisions of law;
4. In default of payment of rent within the year in which the rent falls due the LESSEE shall be bound to pay, in addition to the arrear rent, **interest @ 10% per annum** on the amount of the rent in arrear from the date of default till the date of payment and the arrear with interest payable thereon shall be realizable as a Public Demand under the Bengal Public Demand Recovery Act or any Statutory modification thereof for the time being in force;
5. That the demised land shall be utilized for the purpose of manufacture of **Graphite products and by-products thereof and Carbon Products and by-products thereof.**
6. That where the lessee has not utilized the demised land within the period as stipulated in the Lease Deed, the Lessor shall be entitled to ask the lessee to meet up such terms and conditions, as may appearing to be fit and suitable to the Lessor.
7. The lessee/s shall not sublet the demised land or any part thereof or assign its leasehold interest or part with the possession of the same without the consent in writing first had and obtained from the Government.
8. It is recorded that the lessee has agreed to obtain lease of the land described in the schedule herein on the terms and conditions mentioned in this presents on as is where is basis and the lessee shall pay and bear all proportionate costs, expenses and charges for infrastructural development of the demised leasehold land namely, for the purpose of constructing roads, pathways drainage system, sewerage and industrial effluent system and for providing electricity connection, telecommunication facilities and such other facilities as may be necessary to provide proper infrastructural system in respect of the said demised leasehold land as may be decided by the Government and the lessee shall pay such proportionate costs for infrastructural development within one month from the date on which the Government shall call upon the lessee to do so. Provided that the Government may call upon the lessee to pay for the proportionate infrastructural costs in part or parts or in whole as may be found suitable and necessary.
9. That without prior written permission of the Lessor, the term Lease shall not be used for any purpose as set out in this indenture of Lease and in the event of granting any consent, the Lessor shall be entitled to impose such terms and conditions, including any demand for payment of fees, as may be deemed fit by the Lessor.
10. In the event of the Lessee/s holding over after the expiration of the period of this demise, the lessee shall be bound to pay for any year subsequent to the expiry of the period of this demise rent at such rate as may be assessed upon the demised land by the Lessor.
11. Should the lessee/s duly and faithfully observe and fulfill the terms and conditions and covenants on the part of the Lessee herein contained, the Lessee shall, on the expiration of the aforesaid **residual period of 30 years**, have the right to obtain a **renewal** on the

Ashutosh Dixit

M





Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

terms and conditions as per Govt. rules and norms, prevalent at the time of renewal for a long term lease for such period, as may be deemed fit by the lessor.

12. The Lessee/s shall have the right to **mortgage or create charge** in respect of its/their leasehold interest subject to the terms and condition of this lease in favour of LIC, Nationalized Banks or any competent Financial Organization other Government Organizations. Provided, however, before creation of any mortgage or charge in respect of the leasehold interest in favour of any party the prior consent of the Government in writing shall have to be obtained by the Lessee and the Government shall be entitled to impose such terms or terms and/or conditions and/or charging transfer fees as it may seem necessary before according consent to the lessee for creating any mortgage or charge. Provided further the lessee shall not be entitled to assign, alienate or transfer in any form or nomenclature whatsoever it's/their leasehold interest and the buildings and/or other erections or structures either in whole or in part or parts thereof without the prior consent of the Government in writing and in the event, the Government accords permission to the lessee to effect any transfer either in whole or in part or parts, the Government accords permission to the lessee to effect any transfer either in whole or in part or parts, the Government shall be entitled to impose such term or terms and/or condition or conditions and/or charging transfer fees for granting permission to the lessee for effecting transfer and/or assignment the Transfer and/or Assignee or Assignees concerned shall duly get his/its or their name or names registered with the Government within three calendar months after obtaining possession of the leasehold premises and will possess and use the land subject to the terms and conditions herein and be bound by all terms covenants and conditions herein contained on the part of the lessee/s to be observed, fulfilled and performed.
13. That the lessee shall be solely responsible to get statutory permission for the purpose of carrying out Industry/ Factory over the demised land and the Lessor shall not be involved in any manner whatsoever.
14. After execution of this deed of lease granted in favour of a registered company/ society/ partnership firm (registered/unregistered), any change of share holdings or outgoings of the existing pattern on any account whatsoever will be treated as transfer/ proportionate transfer and the charges will be payable either fully or on prorata basis of the leasehold right and all the terms and conditions of transfer will be applicable to the said company/ society/ firm and the LESSEE is liable to pay the transfer charges and such other charges either fully or on prorata basis as per the decision of the Lessor. PROVIDED FURTHER if there is a transfer of more than **50% share holding of the lessee after allotment that will be treated as full transfer** of leasehold right and the LESSEE will be liable to pay the charges for transfer fee as per prevalent norms of the Lessor.

Provided also that the lessee in tune with the aforesaid shall always be duty bound to pay charges to the Lessor in accordance with the prevailing rules and such decision of the lessor shall be final and binding upon the lessee.

15. The lessee/s shall not in any way diminish the value of or injure or make any permanent alternations in the said demised land which may impair the value of the land in any way without the previous written consent of the Government or any Officer authorized in that





Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

behalf of the Government and shall not all or dispose of any earth, clay, gravel, sand or stone from the demised land nor excavate the same except so far as may be necessary for the execution of the works as stated in clause 16 of these presents. The lessee shall however have the right to remove any surplus earth, sand stones or gravel from the demised premises during or after the construction or erection of any buildings or structure on the demised land. In the event of lessee/lessees making any ditch or excavation which causes injury to the property with the consent of the Government it shall be filled in after due notice to the lessee/ lessees by the Government or any Officer authorized in that behalf who shall recover from the lessee/ lessees the expenses thereof as arrears of rent under the provisions of Public Demands Recovery Act.

16. The lessee/s shall keep, the land free from jungle and all sorts of nuisance, and where the land is used for industrial purposes, the lessee/s shall ensure that:
- a) No trade effluent or other waste material which is alkaline or obnoxious or will cause toxic reactions or be otherwise injurious to public health, is discharged into any adjoining land, drain, sewer, stream or river, no smoke or fumes is released into open air without adequate treatment, according to such standards as may be prescribed by the Government or other competent authority in this regard.
  - b) Upon failure of the lessee/s to do so the Government, after notice to the lessee, may cause such nuisance to be removed or otherwise dealt with as the Lessor may think fit and proper to do in the interest of public health and safety and all expenses incurred by the Government in that regard shall be recoverable from the lessee/lessees.
  - c) The lessee shall have to obtain a no objection certificate and/or an appropriate certificate from the West Bengal Pollution Control Board or the appropriate authority under the law in respect of the industry to be set up by the lessee in the leasehold land and shall furnish duly six weeks from the date of execution of this presents. Provided further that the lessee shall also have to obtain appropriate certificate from the West Bengal Pollution Control Board and such other appropriate authority as may be required under the law regarding operation and functioning of the industry in the leasehold land and shall furnish a duly certified copy of such certificate to the Lessor/ Government/ appropriate authority as and when required by the Government.
17. The lessee/s shall pay and discharge all existing and future rates, taxes and assessment, duties, impositions, outgoing and burdens whatsoever assessed, charged or imposed upon the demised premises or upon the owner or occupier thereof in respect thereof or payable by either in respect thereof. If there is no Municipal law in force the lessee/s shall pay such local taxes and charges for the purpose of conservancy, lighting. Water supply, road maintenance, drainage arrangements and the like as shall be fixed from time to time by the Government.
18. The lessee/s shall preserve intact the boundaries of the holding and will keep them well demarcated according to the requisition from time to time as may be made by the Government or any Officer authorized in that behalf and shall point them out when required by the Government or any Officer authorized in that behalf. The Government or any its Officers authorized by the Government on that behalf of shall be allowed to





Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

inspect the demised premises at any time during the day time upon notice be in given, should any boundary marked be missing the lessee/s shall report the fact to the Secretary, Urban Development (T&CP) Department or any Officer authorized in that behalf.

19. The lessee/s shall not be entitled to convert or allow to be used the demised land or any part thereof into a place of religious worship or use or allow the demised premises or any part thereof to be used as place for cremation or burial or for any religious purposes.
20. The lessee/s shall not sublet the demised land or any part thereof or assign its leasehold interests or part with the possession of the same without the consent in writing first had and obtained from the Government.
21. The lessee/s shall not use nor permit any other person to use the demised land or any part thereof for a purpose other than that for which it is leased or in a manner which renders as unfit for used for the purposes of the tenancy.
22. The lessee/s shall not use nor permit any other person to use the demised land or any part thereof for any immoral or illegal purposes or in any manner so as to become a source of grave danger to the public peace or public safety or allow any activities therein subversive of the Government established by the law in India.
23. If the demised land or any part thereof shall, at any time, be required by the Government for a public purpose the lessee/s shall vacated and deliver possession of the said demised land and building on demand and the lessee will be entitled to get compensation that may be assessed to be payable to the lessee/s by the appropriate authority. If the land is required permanently the lease shall forthwith be determined and the lessee/s shall be entitled to such fair and reasonable compensation for buildings and improvements effected by the lessee/s as shall be decided by the Government or any Officer authorized in that behalf. If a part of the land is required, whether permanently or temporarily or if the whole land is required temporarily the lease shall not be determined, but in the former case the lessee/s shall be entitled to proportionate reduction of rent and in the later case to a total remission of rent, and so such compensation in either case as shall be decided by the said Government of West Bengal which shall be final.
24. The Lessor reserve the right to all minerals in the lands together with such rights of way any other reasonable facilities as may be requisite for working, mixing, gathering and carrying away such minerals without any charges to the LESSEE whatsoever.
25. The lessee/s shall before building any puca house structure privy or latrine or making any additions thereto or alternations therein, to the plan thereof approved by the Officer authorized in the behalf by the Government.
26. The lessee/s shall permit the Government or its Officers authorized in that behalf on 24 hours notice at all reasonable time during the erection of the buildings and subsequent thereto to enter upon the demised premises to view the condition of the building for the time being erected or in course of erection thereon and for all other reasonable purpose.



Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

27. The allotted land cannot be sub-divided by the lessee or their heir without prior consent of the Lessor.
28. (a) Should the said land at any time thereafter cease for a period of six consecutive months to be held and used or ceased to be required for the purpose or purposes provided for in the foregoing clauses then and in any such case, the Government may forthwith re-enter upon and take possession of the said demised land together with all buildings thereon, whether such buildings were erected before or after the demise of the land to the lessee/s and there upon the lessee/s shall have no further right title or interest in the said land and building and its demise shall absolutely cease and determine.
- (b) In the event, the lessee fails or does not use or keeps the leasehold land vacant unutilized either in whole or in part continuously for a period of six consecutive months the Government may forthwith resume possession of the leasehold land or such portion thereof which would be remain unutilized and re-enter upon the same and take possession thereof without recourse to eviction and without prejudice to its rights for taking such other step or steps for the same as would be permissible under this presents and under the law.
- (c) In case of determination of lease by surrender/ resumption/ cancellation of allotment, the premium of the property is to be refunded to the lessee provided that the property is surrendered/ resumed in the same condition in which it was leased out. However the Lessor has right to deduct an amount of 4% (four per cent) of full land premium as administrative cost for such surrender or resumption. Apart from that an interest @ 6% (six per cent) will be charged of the unpaid amount of land premium, calculated from the date of allotment of the date of surrender/ resumption.
29. On taking such possession the Government may sell or otherwise deal with the said land and buildings as it may think proper.
30. Should the Government sell the land with the buildings the Lessor after deducting the expenses incurred in connection with the said taking of possession and such sale shall pay the proceeds to the lessee after deducting there from the value of the lease hold land and all sums as may remain due and owing to the Government.
31. Should the Government decide not to sell the land buildings, the Lessor shall retain the said land and buildings, thereon in which case the Government shall, pay to the lessee/s the market value as on the day of re-entry of all the buildings only erected by the lessee and may its on sufficient grounds refund the premium or salami.
32. Should the Government decide to sell the buildings only upon such sale the Government shall, after deduction the expenses of taking possession and selling, pay the balance proceeds of sale of the said buildings after deducting any other sums as may be due to the Government and may on sufficient grounds refund the premium or salami paid by the lessee/s.







Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

33. Should the lessee go into liquidation either voluntarily or compulsorily, the lease will be determined and the Lessor may re-enter or resume the demise land and that if the assets of the lessee company are sold by auction or otherwise by the competent court of law in the wake of liquidation, the prospective purchaser will have to enter into fresh agreement with the Lessor or fresh terms and conditions, including charging Transfer Fee or any other fees/ charges, as per decision of the Lessor.
- 33 (i) That any change in the management including shareholding pattern of the Company having occupation over the leasehold interest of the demised lands for any reason whatsoever shall subject to confirmation of the Lessor in writing and the Lessee shall be under an obligation to deposit fees/ charges, in accordance with the decision to be taken in this regard by the Lessor for confirming the Leasehold interest of the demised land.
34. On breach of non-observance of any of the foregoing covenants, terms and conditions contained hereinbefore on the part of the lessee or the lessee(s) being adjudged insolvent or making any composition with its/ their creditors or lessee company being wound up or an order for winding up the lessee company being made, the Government shall have the right to determine this lease and the lessee(s) shall be liable to ejection in accordance with the provisions of law for the time being in force but without prejudice to any other right or remedy of the Government that might have accrued, and the Lessor may re-enter or resume the land without any intimation.
35. The lessee hereby enlisted the following permissions issued by the competent authorities:
- (i) Fire Permission.
  - (ii) Trade License.
  - (iii) Pollution.
  - (iv) Any other statutory permission as required for the time being.

It is hereby made clear that the lessor is in no way involved in granting or facilitating any kind of statutory permissions being required for operation of Industries by the lessee.



1  
Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

IN WITNESS WHEREOF the parties to those presents' have hereunto set and subscribed their respective hands the day, month & year first above written:

SIGNED SEALED AND DELIVERED FOR:

Special Officer,  
Urban Development & Municipal Affairs Deptt.,  
Government of West Bengal  
on behalf of GOVERNOR OF THE STATE OF WEST BENGAL:



  
Special Officer  
Urban Development & Municipal Affairs Deptt.  
Government of West Bengal

In the presence of :

  
Asstt. Executive Officer  
Asansol Durgapur Dev. Authority

SIGNED, SEALED AND DELIVERED BY  
(SECOND PARTY)

: Ashutosh Dixit  
GRAPHITE INDIA LIMITED  
DURGAPUR-713211  
Dist.-BURDWAN (W.B.)

In the presence of :

  
Dealing Assistant  
Asansol Durgapur Dev. Authority

Prepared by: Drafted as per approved draft of Govt. of West Bengal in its Urban Development Department.



1

Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

**ANNEXURE-A**

Plot Schedule of the Industrial land measuring an area 50.45 acre (more or less) at Sagarbhanga, Durgapur leased out in favour of Graphite India Limited.

Plot No.: I-SA/01, ADSR Office: City Centre, Durgapur-16.

Details of Plot Schedule							
Location	R.S. Plot Nos.						
Mouza:	1191(P)	1236(P)	6142(F)	6216(F)	6236(F)	6267(F)	6287(F)
Gopinathpur.	1192(P)	1237(F)	6143(F)	6217(F)	6237(F)	6268(F)	6288(F)
J.L. No.: 85	1193(P)	1238(P)	6144(F)	6218(P)	6238(F)	6269(F)	6289(F)
L.R. Khatian No.:	1207(P)	1241(P)	6145(F)	6219(F)	6239(F)	6270(F)	6290(F)
5676	1210(P)	1243(P)	6146(F)	6220(F)	6240(F)	6271(F)	6233/6339(F)
Pargana:	1209(P)	1229/2484(F)	6147(F)	6221(F)	6241(F)	6272(F)	6215/9533(F)
Silampur	1211(F)	1246(P)	6148(F)	6222(F)	6242(P)	6273(F)	
P.S.: Cock-oven.	1212(F)	1247(P)	6149(F)	6223(F)	6243(P)	6274(F)	
Dist.: Paschim	1213(P)	1250(P)	6150(F)	6224(F)	6252(P)	6275(F)	
Bardhaman.	1214(P)	6129(P)	6151(F)	6225(F)	6253(P)	6276(F)	
	1215(P)	6131(P)	6152(F)	6226(F)	6254(P)	6277(F)	
	1216(P)	6132(P)	6153(P)	6227(F)	6255(F)	6278(P)	
	1217(P)	6133(F)	6154(P)	6228(F)	6256(F)	6279(F)	
	1229(F)	6134(P)	6155(P)	6229(F)	6257(F)	6280(F)	
	1230(F)	6135(F)	6156(P)	6230(F)	6260(F)	6281(F)	
	1231(F)	6136(F)	6181(P)	6231(F)	6261(F)	6282(F)	
	1232(F)	6137(F)	6182(P)	6232(F)	6263(F)	6283(F)	
	1233(F)	6138(F)	6213(P)	6233(F)	6264(F)	6284(F)	
	1234(F)	6139(F)	6214(F)	6234(F)	6265(F)	6285(F)	
	1235(F)	6140(F)	6215(F)	6235(F)	6266(F)	6286(F)	
Mouza: Nadiha	1937(P)	1959(F)	1981(F)	1991(F)	2001(F)	2015(F)	2029(F)
J.L. No.: 92	1941(P)	1971(P)	1982(F)	1992(F)	2002(F)	2016(F)	2030(P)
L.R. Khatian No.:	1942(P)	1973(P)	1983(F)	1993(F)	2003(P)	2019(F)	2031(P)
NIL	1945(P)	1974(P)	1984(F)	1994(F)	2004(P)	2020(F)	
Pargana: Sergarh	1946(P)	1975(F)	1985(F)	1995(F)	2009(P)	2021(F)	
P.S.: Cock-oven.	1947(P)	1976(F)	1986(F)	1996(F)	2010(P)	2022(F)	
Dist.: Paschim	1954(P)	1977(F)	1987(P)	1997(F)	2011(P)	2023(F)	
Bardhaman.	1955(F)	1978(F)	1988(P)	1998(P)	2012(P)	2025(F)	
	1956(F)	1979(F)	1989(P)	1999(F)	2013(F)	2026(F)	
	1958(P)	1980(F)	1990(F)	2000(F)	2014(F)	2027(F)	

*Ashwatesh Dixit*

*AS*



Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

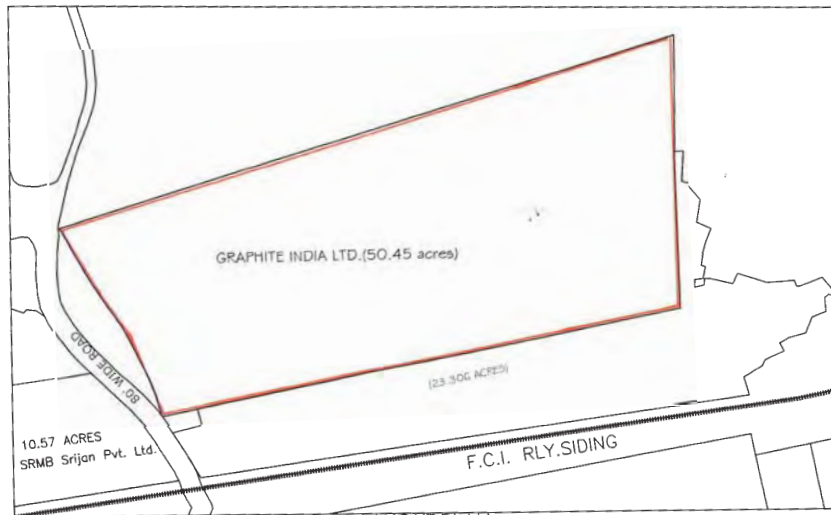
PLAN SHOWING THE INDUSTRIAL PLOT OF LAND AT SAGARBHANGA, DURGAPUR IS LEASED OUT INFAVOUR OF GRAPHITE INDIA LIMITED AND SUBSEQUENTLY RENEWED, REPRESENTED BY ITS EXECUTIVE DIRECTOR ASHUTOSH DIXIT S/O MANILAL DIXIT.

MEASURING AN AREA MORE OR LESS 50.45 ACRES BOUNDED BY RED COLOUR.



DETAILS OF PLOT SCHEDULE

LOCATION	R.S. PLOT NO.
MOUZA- GOPINATHPUR, J.L. NO.- 85, LR. KHATIAN - 5676 PARGANA- SILAMPUR, P.S.- COKE-OVEN, DIST.-PASCHIM BARDHAMAN	1191(P), 1192(P), 1193(P), 1207(P), 1210(P), 1209(P), 1211(F), 1212(F), 1213(P), 1214(P), 1215(P), 1216(P), 1217(P), 1229(F), 1230(F), 1231(F), 1232(F), 1233(F), 1234(F), 1235(F), 1236(P), 1237(F), 1238(P), 1241(P), 1243(P), 1222(F), 1246(P), 1247(P), 1250(P), 6129(P), 6131(P), 6132(P), 6133(F), 6134(P), 6135(F), 6136(F), 6137(F), 6138(F), 6139(F), 6140(F), 6142(F), 6143(F), 6144(F), 6145(F), 6146(F), 6147(F), 6148(F), 6149(F), 6150(F), 6151(F), 6152(F), 6153(P), 6154(P), 6155(P), 6156(P), 6181(P), 6182(P), 6213(P), 6214(F), 6215(F), 6216(F), 6217(F), 6218(P), 6219(F), 6220(F), 6221(F), 6222(F), 6223(F), 6224(F), 6225(F), 6226(F), 6227(F), 6228(F), 6229(F), 6230(F), 6231(F), 6232(F), 6233(F), 6234(F), 6235(F), 6236(F), 6237(F), 6238(F), 6239(F), 6240(F), 6241(F), 6242(F), 6243(P), 6252(P), 6253(P), 6254(P), 6255(F), 6256(F), 6257(F), 6260(F), 6261(F), 6263(F), 6264(F), 6265(F), 6266(F), 6267(F), 6268(F), 6269(F), 6270(F), 6271(F), 6272(F), 6273(F), 6274(F), 6275(F), 6276(F), 6277(F), 6278(P), 6279(F), 6280(F), 6281(F), 6282(F), 6283(F), 6284(F), 6285(F), 6286(F), 6287(F), 6288(F), 6289(F), 6290(F), 6233(F), 6215(F), 6233(F), 6233(F)
MOUZA- NADIHA, J.L. NO.- 92, LR. KHATIAN - NIL PARGANA- SERGARH, P.S.- COKE-OVEN, DIST.-PASCHIM BARDHAMAN	1937(P), 1941(P), 1942(P), 1945(P), 1946(P), 1947(P), 1954(P), 1955(F), 1956(F), 1958(P), 1959(F), 1971(P), 1973(P), 1974(P), 1975(F), 1976(F), 1977(F), 1978(F), 1979(F), 1980(F), 1981(F), 1982(F), 1983(F), 1984(F), 1985(F), 1986(F), 1987(P), 1988(P), 1989(P), 1990(F), 1991(F), 1992(F), 1993(F), 1995(F), 1994(F), 1996(F), 1997(F), 1998(F), 1999(F), 2000(F), 2001(F), 2002(F), 2003(P), 2004(P), 2009(P), 2010(P), 2011(P), 2012(P), 2013(F), 2014(F), 2015(F), 2016(F), 2019(F), 2020(F), 2021(F), 2022(F), 2023(F), 2025(F), 2026(F), 2027(F), 2029(F), 2030(P), 2031(P),



LAYOUT PLAN  
SCALE - N.T.S.

BOUNDARY OF THE PLOT		DETAILS OF THE PLOT		
ON THE NORTH	SAGARBHANGA VILLAGE	AREA 50.45 ACRES MORE OR LESS	LAYOUT PLOT NO. 1 - SA/01	ADSR OFFICE CITY CENTRE, DURGAPUR-16.
ON THE SOUTH	INDUSTRIAL PLOT OF ADDA			
ON THE EAST	INDUSTRIAL PLOT OF ADDA & SAGARBHANGA VILLAGE			
ON THE WEST	80 FT WIDE ROAD			

Prepared by  
S. O. Manilal Dixit  
Durgapur Dev. Authority

*Ashutosh Dixit*  
**GRAPHITE INDIA LIMITED**  
DURGAPUR-713211  
Dist.-BURDWAN (W. B.)  
SIGNATURE OF LESSEE

*[Signature]*  
Special Officer  
Urban Development & Municipal Affairs Deptt.  
Govt. of West Bengal  
SIGNATURE OF LESSOR  
SPECIAL OFFICER  
URBAN DEVELOPMENT & MUNICIPAL AFFAIRS DEPTT.  
GOVT. OF WEST BENGAL





**Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman**

**13 JUN 2025**



# ASANSOL DURGAPUR DEVELOPMENT AUTHORITY

A Statutory Authority of the Government of West Bengal  
( Under Urban Development & Municipal Affairs Department )

1<sup>st</sup> Administrative Building,  
City Centre,  
Durgapur – 713216

Vivekananda Sarani, Senraleigh Road,  
Near Kalyanpur Housing More,  
Asansol -713305

Memo No. ADDA/DGP/E-875978/SAL-2/86/L-826

Date : 02/06/2025

From:- The Special Officer  
Urban Development & Municipal Affairs Department,  
Government of West Bengal  
&  
Chief Executive Officer,  
Asansol Durgapur Development Authority,  
City Centre, Durgapur-16.

To:- Addl. District Sub-Registrar, Durgapur,  
City Centre, Durgapur-713216.

**Sub:** Registration of the documents executed among the Special Officer, UD&MA Deptt., Govt. of West Bengal (ONE PART/ FIRST PARTY;) and M/S. GRAPHITE INDIA LIMITED (SECOND PART).

Enclosed please find herewith a deed of lease / ~~tripartite~~ / **bipartite** / ~~rectification~~ / ~~declaration~~ / ~~license~~ / ~~development agreement~~ in duplicate executed among the Special Officer, UD&MA Deptt., Govt. of West Bengal (ONE PART/ FIRST PARTY), and M/S. GRAPHITE INDIA LIMITED (SECOND PART).

Kindly note that the duplicate copy is needed by the Govt. for record as per Memo No. 527-T&CP/IP-19/80 dated 31.01.1981, of the Development & Planning (T&CP) Department, Government of West Bengal and the undersigned is exempted in paying stamp duty for registration of the present in terms of the 2<sup>nd</sup> proviso to section 3 of the Indian Stamp Act, 1899 and Exemption as contained in Clause (1) of the Table of Registration Fees read with Finance (Taxation) Deptt. U.O. No. II dated 03.03.1980 endorsed by Inspector General of Registration, W.B. and Judicial Deptt. vide their U.O. No. 6 dt. 15.01.1981. It may kindly be further noted that the undersigned is exempted from personal appearance at the time of registration of the documents as per provisions of the Indian Registration Act, 1908.

However, it is hereby made clear that by considering the Memo of consideration signed by the respective M/S. GRAPHITE INDIA LIMITED (SECOND PARTY)/ Market Value, as applicable / as per extant norms of the Government of West Bengal Prevailing in the office of the concerned registering authority, the requisite stamp duty and registration fees for getting the instrument registered in his/ her /their favour may kindly be assessed.

**Enco:** As stated

Special Officer  
Urban Development & Municipal Affairs Department  
Government of West Bengal  
&  
Chief Executive Officer  
Asansol Durgapur Development Authority  
City Centre, Durgapur-16


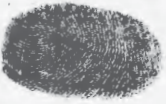


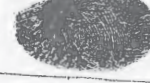









**Addl. Dist. Sub-Registrar,  
Durgapur, Paschim Bardhaman**

**13 JUN 2025**

---

All the fingerprints & passport size colour photographs of the executive concerned are hereby attested accordingly, individually.

	ADDA, DURGAPUR	LESSEE/LICENSEE	JOINT LESSEE/LICENSEE (IF ANY)
PHOTOGRAPH	 <u>Ashutosh Dixit</u>		
LTI			
LIFI			
LMFI			
LRFI			
LLFI			
			
RIFI			
RMFI			
RRFI			
RLFI			
SIGNATURE	<u>Ashutosh Dixit</u>		



1

Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

**DETAILS OF IDENTIFIER WITH PHOTO**  
(শনাক্তকারীর সচিত্র বিবরণ)

1. Name of Identifier (শনাক্তকারীর নাম): Rajib Mitra
2. Father/Husband Name (পিতা/স্বামীর নাম): Rabindra Nath Mitra
3. Occupation (পেশা): Smvice
4. Permanent Address (স্থায়ী ঠিকানা)  
Village/Town (গ্রাম): Arsoh Kalingan  
Post Office (পোস্ট অফিস): Arsoh  
Police Station (থানা): Karesha PIN:   
District (জেলা): Banshin Bardhaman State (রাজ্য): West Bengal
5. Relationship with Seller (দলিলের বিক্রোতা / দাতাগনের সহিত সম্পর্ক):
6. Aadhar No.  OR  
Pan  OR  
Epic No.

আমি (শনাক্তকারী)  অত্র দলিলের (Query No/Year)   
 বিক্রোতা / দাতা গনকে শনাক্ত করিলাম।

I,  as Identifier am identifying  
the executants of the concerned deed (Query No / Year)

ছবি সহ দশ আঙ্গুলের টিপ ছাপ

Left Hand বাম হাত						 Rajib Mitra
	Thumb বৃদ্ধাঙ্গুল	1st Finger তর্জনী	Middle মধ্যমা	Ring অনামিকা	Small Finger কনিষ্ঠা	
Right Hand ডান হাত						

Date:

Rajib Mitra  
Identifier Signature  
(শনাক্তকারীর স্বাক্ষর)

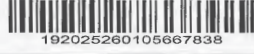


↓  
**Addl. Dist. Sub-Registrar**  
**Durgapur, Paschim Bardhaman**

**13 JUN 2025**



Govt. of West Bengal  
Directorate of Registration & Stamp  
Revenue  
GRIPS eChallan



192025260105667838

GRN Details

GRN: 192025260105667838 Payment Mode: SBI Epay  
GRN Date: 12/06/2025 09:40:50 Bank/Gateway: SBIPay Payment Gateway  
BRN: 2691795264233 BRN Date: 12/06/2025 09:44:57  
Gateway Ref ID: 167145041 Method: State Bank of India WIBMO PG CC  
GRIPS Payment ID: 120620252010566782 Payment Init. Date: 12/06/2025 09:40:50  
Payment Status: Successful Payment Ref. No: 3001603279/6/2025  
[Query No\*/Query Year]

Depositor Details

Depositor's Name: Mr ASHUTOSH DIXIT  
Address: SAGARBHANGA COLONY  
Mobile: 9933986379  
EMail: ayoan.banerjee@graphiteindia.com  
Period From (dd/mm/yyyy): 12/06/2025  
Period To (dd/mm/yyyy): 12/06/2025  
Payment Ref ID: 3001603279/6/2025  
Dept Ref ID/DRN: 3001603279/6/2025

Payment Details

Sl. No.	Payment Ref No	Head of A/C Description	Head of A/C	Amount (₹)
1	3001603279/6/2025	Property Registration- Registration Fees	0030-03-104-001-16	389
<b>Total</b>				<b>389</b>

IN WORDS: THREE HUNDRED EIGHTY NINE ONLY.





Addl. Dist. Sub-Registrar  
Durgapur, Paschim Bardhaman

13 JUN 2025

### Major Information of the Deed

Deed No :	I-2306-05969/2025	Date of Registration	13/06/2025
Query No / Year	2306-3001603279/2025	Office where deed is registered	
Query Date	10/06/2025 5:00:42 PM	A.D.S.R. DURGAPUR, District: Paschim Bardhaman	
Applicant Name, Address & Other Details	Ashutosh Dixit BL T-13/3/12 Near Ruby Hospital E K T E K T, Thana : Karaya, District : Kolkata, WEST BENGAL, PIN - 700107, Mobile No. : 9304368137, Status :Buyer/Claimant		
Transaction	Additional Transaction		
[0407] Lease, Lease by Govt./Govt. Authority/Govt. Undertaking	[4308] Other than Immovable Property, Agreement [No of Agreement : 1]		
Set Forth value	Market Value		
	Rs. 141,89,06,250/-		
Stampduty Paid(SD)	Registration Fee Paid		
Rs. 3,452/- (Article:35)	Rs. 389/- (Article:A(1), E)		
Remarks	Lease Period 30 Years s Average annual Rent Rs 19,125/- Received Rs. 50/- ( FIFTY only ) from the applicant for issuing the assement slip.(Urban area)		

### Land Details :

District: Paschim Bardhaman, P.S:- Faridpur, Municipality: Asansol Durgapur Development Authority, Road: ADDA Industrial Zone Road, Mouza: Industrial Land S.I.Area, Ji No: 0, Pin Code : 713201

Sch No	Plot Number	Khatian Number	Land Use Proposed	Use ROR	Area of Land	SetForth Value (In Rs.)	Market Value (In Rs.)	Other Details
L1	RS-1	RS-5676	Existing Industry/Karkhana	Land for Industrial use	50.45 Acre		141,89,06,250/-	Width of Approach Road: 80 Ft., Adjacent to Metal Road,
<b>Grand Total :</b>					<b>5045Dec</b>	<b>0 /-</b>	<b>14189,06,250 /-</b>	

### Lessor Details :







Sl No	Name,Address,Photo,Finger print and Signature
1	<b>Urban Dev T And C P Deptt</b> A D D A. City Centre, City:- Durgapur, P.O:- City Centre, P.S:-Durgapur, District:-Paschim Bardhaman, West Bengal, India, PIN:- 713216 , State Government Office,Aadhaar No Not Provided by UIDAI, Status :Organization, Executed by: Representative, Executed by: Representative

### Lessee Details :

Sl No	Name,Address,Photo,Finger print and Signature
1	<b>Graphite India Limited</b> 31 Chowringhee Road, City:- Kolkata, P.O:- Kolkata, P.S:-Karaya, District:-Kolkata, West Bengal, India, PIN:- 700016 Date of Incorporation:XX-XX-1XX4 , PAN No.: aaxxxxx7c,Aadhaar No Not Provided by UIDAI, Status :Organization, Executed by: Representative



**Representative Details :**

Sl No	Name,Address,Photo,Finger print and Signature			
1	Name	Photo	Finger Print	Signature
	<b>Mr Ashutosh Dixit (Presentant)</b> Son of Mr Mani Lal Dixit Date of Execution - 13/06/2025, , Admitted by: Self, Date of Admission: 13/06/2025, Place of Admission of Execution: Office	 <small>Jun 13 2025 1:06PM</small>	 Captured <small>LTI 13/06/2025</small>	 <small>13/06/2025</small>
31, Chowringhee Road, Kolkata, City:- Kolkata, P.O:- Kolkata, P.S:-Karaya, District:-Kolkata, West Bengal, India, PIN:- 700016, Sex: Male, By Caste: Hindu, Occupation: Others, Citizen of: India, Date of Birth:XX-XX-1XX0 , PAN No.:: ACxxxxxx5L, Aadhaar No: 20xxxxxxxx2342 Status : Representative, Representative of : Graphite India Limited (as DIRECTOR)				
2	<b>Mr Raju Mishra</b> Son of Mr Punya Nand Mishra A D D A, City Centre, City:- Durgapur, P.O:- City Centre, P.S:-Durgapur, District:-Paschim Bardhaman, West Bengal, India, PIN:- 713216, Sex: Male, By Caste: Hindu, Occupation: Government Service, Citizen of: India, , State Occupation Office,Aadhaar No Not Provided by UIDAI Status : Representative, Representative of : Urban Dev T And C P Deptt (as SPECIAL OFFICER)	 <small>13/06/2025</small>	 Captured <small>13/06/2025</small>	 <small>13/06/2025</small>
Identifier Of Mr Ashutosh Dixit				

**Identifier Details :**

Name	Photo	Finger Print	Signature
<b>Mr Rajib Mitra</b> Son of Mr Rabindra Nath Mitra A D D A, City Centre, City:- Durgapur, P.O:- City Centre, P.S:-Durgapur, District:-Paschim Bardhaman, West Bengal, India, PIN:- 713216	 <small>13/06/2025</small>	 Captured <small>13/06/2025</small>	 <small>13/06/2025</small>
Identifier Of Mr Ashutosh Dixit			

---

**Endorsement For Deed Number : I - 230605969 / 2025**

**On 13-06-2025**

**Certificate of Admissibility(Rule 43,W.B. Registration Rules 1962)**

Admissible under rule 21 of West Bengal Registration Rule, 1962 duly stamped under schedule 1A, Article number : 35 of Indian Stamp Act 1899.

**Presentation(Under Section 52 & Rule 22A(3) 46(1),W.B. Registration Rules,1962)**

Presented for registration at 12:47 hrs on 13-06-2025, at the Office of the A.D.S.R. DURGAPUR by Mr Ashutosh Dixit

**Admission/Execution (for exempted person)**

Execution by Mr Raju Mishra, , SPECIAL OFFICER, Urban Dev T And C P Deptt, A D D A, City Centre, City:- Durgapur, P.O:- City Centre, P.S:-Durgapur, District:-Paschim Bardhaman, West Bengal, India, PIN:- 713216

who is exempted FROM his personal appearance in this office under section 88 of Registration Act XVI of 1908, is proved by his seal AND signature.

**Admission of Execution (Under Section 58, W.B. Registration Rules, 1962) (Representative)**

Execution is admitted on 13-06-2025 by Mr Ashutosh Dixit, DIRECTOR, Graphite India Limited, 31 Chowringhee Road, City:- Kolkata, P.O:- Kolkata, P.S:-Karaya, District:-Kolkata, West Bengal, India, PIN:- 700016

Indetified by Mr Rajib Mitra, , Son of Mr Rabindra Nath Mitra, A D D A, City Centre, P.O: City Centre, Thana: Durgapur, , City/Town: DURGAPUR, Paschim Bardhaman, WEST BENGAL, India, PIN - 713216, by caste Hindu, by profession Service

**Payment of Fees**

Certified that required Registration Fees payable for this document is Rs 389.00/- ( A(1) = Rs 382.00/- ,E = Rs 7.00/- ) and Registration Fees paid by Cash Rs 0.00/-, by online = Rs 389/-

Description of Online Payment using Government Receipt Portal System (GRIPS), Finance Department, Govt. of WB Online on 12/06/2025 9:44AM with Govt. Ref. No: 192025260105667838 on 12-06-2025, Amount Rs: 389/-, Bank: SBI EPay ( SBlePay), Ref. No. 2691795264233 on 12-06-2025, Head of Account 0030-03-104-001-16 Online on 13/06/2025 1:34PM with Govt. Ref. No: 192025260108367428 on 13-06-2025, Amount Rs: 0/-, Bank: SBI EPay ( SBlePay), Ref. No. 0046507590827 on 13-06-2025, Head of Account

**Payment of Stamp Duty**

Certified that required Stamp Duty payable for this document is Rs. 3,452/- and Stamp Duty paid by Stamp Rs 1,000.00/-, by online = Rs 2,452/-

Description of Stamp

1. Stamp: Type: Impressed, Serial no 7900, Amount: Rs.1,000.00/-, Date of Purchase: 23/05/2025, Vendor name: KHUDIRAM MONDAL

Description of Online Payment using Government Receipt Portal System (GRIPS), Finance Department, Govt. of WB Online on 12/06/2025 9:44AM with Govt. Ref. No: 192025260105667838 on 12-06-2025, Amount Rs: 0/-, Bank: SBI EPay ( SBlePay), Ref. No. 2691795264233 on 12-06-2025, Head of Account

Online on 13/06/2025 1:34PM with Govt. Ref. No: 192025260108367428 on 13-06-2025, Amount Rs: 2,452/-, Bank: SBI EPay ( SBlePay), Ref. No. 0046507590827 on 13-06-2025, Head of Account 0030-02-103-003-02



**Santanu Pal**  
**ADDITIONAL DISTRICT SUB-REGISTRAR**  
**OFFICE OF THE A.D.S.R. DURGAPUR**  
**Paschim Bardhaman, West Bengal**







Certificate of Registration under section 60 and Rule 69.

Registered in Book - I

Volume number 2306-2025, Page from 113792 to 113812

being No 230605969 for the year 2025.



*Santanu Pal*

Digitally signed by SANTANU PAL  
Date: 2025.06.13 19:02:22 +05:30  
Reason: Digital Signing of Deed.

(Santanu Pal) 13/06/2025  
ADDITIONAL DISTRICT SUB-REGISTRAR  
OFFICE OF THE A.D.S.R. DURGAPUR  
West Bengal.

*For Jm Law*

8865

I - 4418

Sec. 32 Case No. 401 of 1967-68.

Certified that the full stamp duty chargeable on this instrument under the Indian Stamp Act amounting to Rs. 13,850.25 P and surcharge of Rs. 2769.75 P only has been paid and certified to Govt. under challan No. 133 dated 22-6-67.

Calcutta Collectorate  
The 22.6.1967.

Sd/- Illegible.  
Collector of Stamp Revenue.  
22/6/67.

CALCUTTA COLLECTORATE  
No. 401  
of 1967-68  
ADJUDICATION  
FEE 5/- PAID  
Under Section 21 Act.  
11 of 1899.  
Rs. Five only.  
STAMP DEPARTMENT.

Admissible under Rule  
21 duly stamped under  
the Indian Stamp Act  
1899 also as Amendment  
by West Bengal Stamp  
Amendment Act, 1962 & 64  
Schedule IA No. 35a, vi & 5c.

Fee paid as under  
A 3691-50  
E 4-  
I 30-  
Ma 20-  
Mb 2-  
N 4-50  
3752-00

LEASE granted by the Governor of the State  
of West Bengal to GRAPHITE INDIA LIMITED, of 14,  
Netaji Subhas Road, Calcutta-1 in the Police  
Station Hare Street in the district of CALCUTTA

Sd/-  
Registrar of Assurances,  
Calcutta.  
16.8.67.

J.1 30-  
J.2 2-88  
32-88

K.1a 5  
K.2 5.76  
10.76.

Sd.  
16.8.67.

THIS INDENTURE OF LEASE made this 26th day  
of July 1967 BETWEEN THE GOVERNOR OF THE STATE  
OF WEST BENGAL hereinafter called the "LESSOR"  
(which expression unless excluded by or repug-  
nant to the context be deemed to include her  
successor in office and assigns) of the ONE PART  
and GRAPHITE INDIA LIMITED a Company registered  
under the Indian Companies Act, having its  
registered office 14, Netaji Subhas Road,  
Calcutta-1 hereinafter called the "LESSEE" -  
(which expression unless excluded by or repug-  
nant to the context be deemed to include its -

2.

successors and assigns) of the OTHER PART.

WHEREAS the Lessee has applied for a lease for the purpose of building a factory for the manufacture of Graphite Products and by-products thereof and Carbon Products and by-products thereof the land hereinafter mentioned and described in Part I of the Schedule hereunder written AND WHEREAS such application has received the approval of the Development and Planning (Town & Country Planning) Department of the Government of West Bengal.

NOW THIS INDENTURE WITNESSETH that in consideration of the payment to the Lessor by the Lessee of the premium or salami of Rs.6,12,967.50 calculated at the rate of Rs.12,150.00 per acre on or before the execution of these presents and of the rent hereby reserved and fully mentioned in Part II of the Schedule hereunder written and of the covenants and conditions contained in Part II of the said schedule hereunder written in the part of the Lessee to be paid observed and performed the Lessor doth hereby demise unto the Lessee all that piece or parcel of land mentioned and described in Part I of the Schedule hereunder written TO HOLD the same unto the Lessee for the period of sixty years from 3rd day of March 1965 to the 2nd day of March 2025 Yielding and Paying therefor the rent at the time and in the manner specified in Part II of the said Schedule hereunder written.

IT WITNESS WHEREOF THE parties to these presents have hereunto set and subscribed their respective hands and seals the day month and year first above written.

Signed

3.

Signed sealed and delivered by the  
Commissioner Town & Country Planning  
and Secretary (Ex-Officio) Development  
and Planning (Town & Country Planning)  
Department, Government of West Bengal,  
for and on behalf of the Governor of  
the State of West Bengal in the  
presence of :-

For and on behalf of the  
Governor of the State of  
West Bengal.

First Witness: Sd/- 26.7.67

M.N.ROY CHOUDDHRI  
Deputy Secretary, Development  
& Planning (T & CP) Deptt.  
Govt. of West Bengal.

Sd/-S.C.Ganguli.

Commissioner, Town &  
Country Planning and  
Secretary (Ex-Officio)  
Development and Planning  
(Town & Country Planning)  
Department, Government of  
West Bengal.

Second Witness: Sd/- 26/7/67  
B. ROY.  
Assistant Secretary.  
Development & Planning (T. & C.P.)  
Department.  
GOVT. OF WEST BENGAL.

(B. C. GANGULI)  
Commissioner Town & Country  
Planning.  
and  
Ex-officio Secretary, Develop-  
ment and Planning Deptt.

Common Seal of GRAPHITE INDIA LTD.  
has been affixed hereto  
by SHRI GOBIND LALL BANGUR and  
SHRI GOKUL CHAND BANGUR the  
Directors thereof who have also  
affixed their signatures hereto as  
such in the presence of:-

(Seal)  
GRAPHITE INDIA LIMITED.  
1962.  
For GRAPHITE INDIA LIMITED.  
Sd/- G.L. Bangur  
Director.  
For Graphite India Limited.  
Sd/- G. C. Bangur.  
Director.

Sd/- R. C. Lakhatia  
11, Netaji Subhas Road,  
First Witness: Calcutta.

Second Witness: Sd/- G.K.Tulsian  
14, Netaji Subhas Road,  
Calcutta-1.

THE

4.

THE SCHEDULE ABOVE REFERRED TO

PART - I

PARTICULARS OF THE HOLDING.

1. No. of plbt.	AS PER ANNEXURE ATTACHED.
2. Khatian No.	
3. J. L. No.	
4. Area of plot.	
5. Tauzi No.	
6. Name of Pargana.	
7. Name of mouza.	
8. Name of Thana.	
9. Sub-Registration Office.	
10. District.	

BOUNDARIES OF THE PLOT:

NORTH:- SAGARBHANGA VILLAGE  
EAST: OPEN LAND, SAGARBHANGA VILLAGE  
SOUTH: - GOVT. ACQUIRED LAND (E.Rly.Siding)  
WEST : - CIRCULAR ROAD TO BITHAN CHANDRA STATION(demolished)and  
HINDUSTHAN REFRATORIES.

The demised land is shown in the map or plan hereto annexed with boundaries in RED Colour.

PART - II.

1. The Lessee shall carry out the terms embodied in this lease and will continue to be bound thereby.
2. The Lessee shall pay the rent of the leasehold premises to the Development and Planning (Town & Country Planning) Department of the Government of West Bengal yearly at the rate of Rs.10/- per acre per annum.

3.

5.

3. In default of payment of rent within the year in which the rent falls due the Lessee shall be bound to pay in addition to the arrear of the rent interest at the rate of 6½ per cent per annum on the amount of the rent in arrear from the end of the said year till the day of payment and the arrear with - interest payable thereon shall be realisable as a public demand under the Bengal Public Demands Recovery Act.

4. In the event of the Lessee holding over after the expiration of the period of this demise the Lessee shall be held liable on account of any year subsequent to the expiry of the period of this demise for the rent at such rate as may be assessed upon the demised land by the Lessor.

5. Should the Lessee duly and faithfully observe and fulfil the terms conditions and covenants on the part of the Lessee herein contained, the Lessee shall continue to hold the lease, on the expiration of the aforesaid period of sixty years, to successive like period of thirty years upon the same terms and conditions save as to rent which may be increased or otherwise varied in accordance with the provisions of the law or any rules framed by the Government of West Bengal as may be in force for the time being and in the absence of any such law or rules, then as may be fixed by the Lessor. Such increase shall not be in excess of twentyfive per cent of the rent fixed by these presents.

6. The Lessee shall not assign mortgage or charge the lease hold interest or any buildings and structures thereon without its consent in writing of the Lessor first being obtained and such consent shall not be unreasonably withheld. If the Lessee assigns its leasehold interests with the prior written consent of the Lessor in the land described in Part 1 of the Schedule hereunder written, the Lessee shall duly get his its or their name or names registered with the Government

of

6.

of West Bengal within three calendar months after obtaining possession of the holding and will process and use the land and be bound by all terms, covenants and conditions herein contained.

7. The Lessee shall be entitled to use the demised land for the purpose of its business and erect buildings and structures thereon and subject thereto the Lessee shall not in any way diminish the value of or injure or make any permanent alterations in the said demised land which may impair the value of the land in any way without the previous written consent of the Government of West Bengal or any officer authorised in that behalf of the Government of West Bengal and shall not sell or dispose of any earth, clay, gravel, sand or stone from the demised land nor excavate the same except so far as may be necessary for the execution of the works as stated in Clause 16 of these presents. The Lessee shall however have the right to remove any surplus earth, sand, stones or gravel from the demised premises during or after the construction or erection of the said factory. In the event of its making any ditch or excavation which cause injury to the property without the consent of the Government of West Bengal it shall be filed in after due notice to the Lessee by the Lessor or any officer authorised in that behalf who shall recover from the Lessee the expenses incurred by him for the purpose as arrears of rent.

8. The Lessee shall keep the land free from jungle and all sorts of nuisance, and where the land is used for industrial purposes, the Lessee shall ensure that

- (a) No trade effluent or other waste material which is alkaline or obnoxious or will cause toxic reactions or be otherwise injurious to public health, is discharged into any adjoining land, drain, sewer, stream or river,

7.

(b) No smoke or fumes is released into open air without adequate treatment, according to such standards as may be prescribed by the Lessor or other competent authority in this regard.

Upon failure of the Lessee to do so the Lessor, after notice to the Lessee, may cause such nuisance to be removed or otherwise dealt with as the Lessor may think fit and proper to do in the interest of public health and safety and all expenses incurred by the Lessor in that regard shall be recoverable from the Lessee.

9. The Lessee shall pay and discharge all existing and future rates, taxes and assessment, duties, impositions, outgoings and burdens whatever assessed, charged or imposed upon the demised premises or upon the owner or occupier thereof in respect thereof or payable by either in respect thereof. If there is no Municipal law in force the Lessee shall pay such local taxes and charges for the purpose of conservancy, lighting, water supply, road maintenance, drainage arrangements and the like as shall be fixed from time to time by the Government of West Bengal.

10. The Lessee shall reserve intact the boundaries of the holding and will keep them well demarcated according to the requisition from time to time as may be made by the Government of West Bengal or any officer authorised in that behalf and shall point them out when required by the Lessor or the said Government of West Bengal or any officer authorised in that behalf, to do so, to any officer duly authorised by him in writing to inspect them. Should any boundary mark be missing the Lessee shall report the fact to the Secretary, Development & Planning (Town & Country Planning) Department or any officer authorised in that behalf.

11.



11. The Lessee shall not be entitled to convert the demised land or any part thereof into a place of religious worship without the previous consent of the Lessor obtained in writing or use or allow the demised premises or any part thereof to be used as place for cremation or burial.

12. The Lessee shall sublet the demised land or any part thereof or assign its leasehold interests or part with the possession of the same without the consent in writing first had and obtained from the Government of West Bengal.

13. The Lessee shall not use nor permit any other person to use the demised land or any part thereof for a purpose other than that for which it is leased or in a manner which renders it unfit for use for the purposes of the tenancy.

14. The Lessee shall not use nor permit any other person to use the demised land or any share or portion thereof for any immoral or illegal purposes or in any manner so as to become a source of grave danger to the public peace or public safety.

15. If the demised land or any part thereof shall, at any time, be required by the Government of West Bengal for a public purpose the Lessee shall give up the same on demand upon payment of the compensation that may be assessed to be payable to the Lessee by the appropriate authority. If the land is required permanently the lease shall forthwith be determined and Lessee shall be entitled to such fair and reasonable compensation for buildings and improvements effected by him as shall be decided by the Government of West Bengal or any officer authorised in that behalf. If a part of the land is required, whether permanently or temporarily or if the whole land is required temporarily the Lessee shall not determine, but in the former case the Lessee shall be entitled to proportionate reduction of rent and in the latter case to a total remission of rent, and to such compensation

9.

compensation in either case as shall be decided by the said Government of West Bengal which shall be final.

16. The Lessor reserves to himself the right to all minerals in the lands together with such rights of way and other reasonable facilities as may be requisite for working, gathering and carrying away such minerals.

17. The Lessee shall before building any pucca house structure privy or latrine or making any additions thereto or alterations therein, get the plan thereof approved by the Officer authorised in that behalf by the Government.

18. The Lessee shall permit the Lessor and his agents on 24 hours' notice at all reasonable time during the erection of the buildings and subsequent thereto to enter upon the demised premises to view the condition of the buildings for the time being erected or in course of erection thereon and for all other reasonable purpose.

19. On breach or non-observance of any of the foregoing covenants, terms or conditions herein on the part of the Lessee contained or on the Lessee being wound up or an order for winding up of the Lessee being made the Lessor shall have the right to determine this lease and the Lessee shall be liable to ejectment in accordance with the provisions of the law for the time being in force but without prejudice to any other right or remedy of the Lessor that may have accrued hereunder.

20. Should the Lessee fail and neglect to erect and construct the factory within five years from the date of <sup>presents</sup> these, the Lessor shall have the right and be entitled to determine these / presents and thereafter to re-enter into the demised premises or in a portion thereof in the name of the whole.

21. Should the said land at any time thereafter cease for a period of six consecutive months to be held and used or

ceased

10.

cease to be required for the purpose or purposes provided for in the foregoing clauses then and in any such case, the lessor may summarily re-enter upon and take possession of the said land together with all buildings thereon, whether such buildings were erected before or after the demise of the land to the Lessee, and thereupon the Lessee shall have no further right title or interest in the said land and buildings and its demises shall absolutely cease and determine.

On taking such possession the Lessor may sell or otherwise deal with the said land and buildings as it may think proper.

Should the Lessor sell the land with the buildings the Lessor after deducting the expenses incurred in connection with the said taking of possession and with such sale shall pay the proceeds to the Lessee.

Should the Lessor decide not to sell the land and buildings, the Lessor shall retain the said land and buildings, thereon in which case the Governor shall repay to the Lessee the market value as on the day of re-entry of all the buildings only erected by the Lessee and may at its discretion on sufficient grounds refund the premium or salami.

Should the Lessor decide to sell the buildings only upon such sale, the Governor shall, after deducting the expenses of taking possession and selling pay the balance of the proceeds of sale of the said buildings and may on sufficient grounds refund the premium or salami paid by the Lessee.

SCHEDULE

SCHEDULE OF PLOTS:

1) J.L.Nos:	...	85 & 92
2) Area of Plot:	...	50.45 Acres
3) Name of Pargana:	...	Silmpur & Serzari
4) Name of Moza:	...	Gopinathpur, Nad'ha
5) Name of Police Station:	...	Durgapur
6) Sub Registration Office:	...	Gopalmath,
7) District:	...	Burdwan.

GOPINATHPUR, J.J.No.85

C.S.Plot No.	KH.NO:	TOTAL NO:
C.S.Plot in Part 1191	1550	1
C.S.Plot in Part 1192 <sup>E</sup>	3994	1
C.S.Plot in Part 1193 <sup>R</sup>	762	1
C.S.Plot in Part 1207 <sup>E</sup>	341,3853	1
C.S.Plot in Part 1210 <sup>E</sup>	3994	1
C.S.Plot in Part 1209 <sup>E</sup>	1550	1
C.S.Plot in Full 1211 <sup>E</sup>	3994	1
C.S.Plot in Full 1212 <sup>E</sup>	3994	1
C.S.Plot in Part 1213 <sup>N</sup>	1060	1
C.S.Plot in Part 1214 <sup>N</sup>	761	1
C.S.Plot in Part 1215 <sup>N</sup>	2862	1
C.S.Plot in Part 1216 <sup>N</sup>	132859, 2856, 2853, 2846, 2835, 2841, 2843, 2849	1
C.S.Plot in Part 1217 <sup>N</sup>	3182	1
C.S.Plot in Full 1229	3994	1
C.S.Plot in Full 1230	3994	1
C.S.Plot in Full 1231	2675	1
C.S.Plot in Full 1232	613	1
C.S.Plot in Full 1233	2502	1
C.S.Plot in Full 1234 <sup>E</sup>	1148	1
C.S.Plot in Full 1235	613	1
C.S.Plot in Part 1236 <sup>N</sup>	613	1
C.S.Plot in Full 1237	2417	1

C.S.Plot in Part 1238

C.S.PLOT NO:	12. KH.NO:	TOUZI NO:
C.S.Plot in Part 1238	1969	3042
C.S.Plot in Part 1241N	613	1
C.S.Plot in Part 1243N	909	1
C.S.Plot in Part <del>1229</del> 2484E	615	1
C.S.Plot in Part 1246N	346	1
C.S.Plot in Part 1247N	1707	1
C.S.Plot in Part 1250N	2676	1
C.S.Plot in Part 6129	602	1
C.S.Plot in Part 6131	341	1
C.S.Plot in Part 6132 <sup>W</sup>	341	1
C.S.Plot in Full 6133 <sup>W</sup>	474	1
C.S.Plot in Part 6134W	1029	1
C.S.Plot in Full 6135 <sup>W</sup>	191	1
C.S.Plot in Full 6136	474	1
<del>C.S.Plot in Full 6136</del>	474	
C.S.Plot in Full 6137	1029	1
C.S.Plot in Full 6138	191	1
C.S.Plot in Full 6139	474	1
C.S.Plot in Full 6140	1029	1
C.S.Plot in Full 6142	1133	1
C.S.Plot in Full 6143 <sup>S</sup>	1133	1
C.S.Plot in Full 6144	2340, 1256	1
C.S.Plot in Full 6145	1183	1
C.S.Plot in Full 6146	1183	1
C.S.Plot in Full 6147	90	1
C.S.Plot in Full 6148	768	1
C.S.Plot in Full 6149	1274	1
C.S.Plot in Full 6150	938	1
C.S.Plot in Full 6151	325	1
<del>C.S.Plot in Full 6151</del>	325	
C.S.Plot in ' 6152	347, 1256	1
C.S.Plot in Part 6153 N	2570	1
C.S.Plot in Part 6154 N	938	1

C.S.Plot in Part 6155

C.S.PLOT NO:	KH.NO:	TOUZ NO:
C.S.Plot in Part 6155	938	1
C.S.Plot in Part 6156	59	1
C.S.Plot in Part 6181N	1698	1
C.S.Plot in Part 6182N	3170,3088	1
G.S.Plot in Part 6213 N	603	1
C.S.Plot in Full 6214	347/1,1255	1
C.S.Plot in Full 6215	89	1
C.S.Plot in Full 6216	1046	1
C.S.Plot in Full 6217	1046	1
C.S.Plot in Full 6218	544	1
C.S.Plot in Full 6219	938	1
C.S.Plot in Full 6220	347/1,1255	1
C.S.Plot in Full 6221	4165	1
C.S.Plot in Full 6222	4165	1
C.S.Plot in Full 6223	3999	1
C.S.Plot in Full 6224	1561	1
C.S.Plot in Full 6225	88	1
C.S.Plot in Full 6226	4165	1
C.S.Plot in Full 6227	83	1
C.S.Plot in Full 6228	88	1
C.S.Plot in Full 6229	88	1
C.S.Plot in Full 6230	88	1
C.S.Plot in Full 6231	88	1
C.S.Plot in Full 6232	88	1
C.S.Plot in Full 6233	4165	1
C.S.Plot in Full 6234	88	1
C.S.Plot in Full 6235	4165	1
C.S.Plot in Full 6236	4165	1
C.S.Plot in Full 6237	2863	1
C.S.Plot in Full 6238	4165	1
C.S. Plot in Full 6239	2789	1
C.S.Plot in Full 6240	88	1
C.S.Plot in Full 6241	3972	1

C.S.Plot in Part 6242

C.S.PLOT NO:	KIL.NO:	TOUZI NO:
C.S.Plot in Part 6242 N	3999	1
C.S.Plot in Part 6243 N	3212,3124,3098,3470,3477, 3499,3596	1
C.S.Plot in Part 6252 N	4006	1
C.S.Plot in Part 6253 N	709	1
C.S.Plot in Part 6254 N	4006	1
C.S.Plot in Full 6255	3152	2092
C.S.Plot in Full 6256	1244	1
C.S.Plot in Full 6257	59	1
C.S.Plot in Full 6260	59	1
C.S.Plot in Full 6261	1590	1
C.S.Plot in Full 6263	1530	1
C.S.Plot in Full 6264	1244	1
C.S.Plot in Full 6265	768	1
C.S.Plot in Full 6266	1046	1
C.S.Plot in Full 6267	1244	1
C.S.Plot in Full 6268	1746	1
C.S.Plot in Full 6269	876	1
C.S.Plot in Full 6270	876,877	1
C.S.Plot in Full 6271	1046	1
C.S.Plot in Full 6272	386	1
C.S.Plot in Full 6273	1046	1
C.S.Plot in Full 6274	1046	1
C.S.Plot in Full 6275	1046	1
C.S.Plot in Full 6276	544	1
C.S.Plot in Full 6277	1568	1
C.S.Plot in Full 6278	1650,1671	1
C.S.Plot in Full 6279	1227	1
C.S.Plot in Full 6280	2517	1
C.S.Plot in Full 6281	1227	1
C.S.Plot in Full 6282	2776,1227	1

C.S.Plot in Full 6283

C.S.PLOT NO:	KH.NO:	TOUZI NO:
C.S.Plot in Full 6283	2517	1
C.S.Plot in Full 6284	1227	1
C.S.Plot in Full 6285	1051	1
C.S.Plot in Full 6286	583	1
C.S.Plot in Full 6287	929	1
C.S.Plot in Full 6288	929	1
C.S.Plot in Full 6289	754	1
C.S.Plot in Full 6290	754	1
C.S.Plot in Full <u>6233</u> <u>6339</u>	88	1
C.S.Plot in Full <u>6215</u> <u>2533</u>	4165	1
<u>MOUZA NADIHA JL.NO.92</u>		
C.S.Plot in Part 1937 <sup>W</sup>	159	10
C.S.Plot in Part 1941 <sup>W</sup>	158	10
C.S.Plot in Part 1942 <sup>W</sup>	159	10
C.S.Plot in Part 1945 <sup>W</sup>	127	10
C.S.Plot in Part 1946 <sup>W</sup>	2740, 561	10
C.S.Plot in Part 1947 <sup>W</sup>	158	10
C.S.Plot in Part 1954 <sup>W</sup>	231	10
C.S.Plot in Full 1955	158	10
C.S.Plot in Full 1956	1859, 1383, 1857, 1858	10
C.S.Plot in Part 1958 <sup>W</sup>	159	10
C.S.Plot in Full 1959	462	10
C.S.Plot in Part 1971	251	10
C.S.Plot in - 1973	298	10
C.S.Plot in Part 1974 <sup>W</sup>	251	10
C.S.Plot in Full 1975	1371	10
C.S.Plot in Full 1976	2943	10
C.S.Plot in Full 1977	493	4158
C.S.Plot in Full 1978	493	4158
C.S.Plot in Full 1979	493	4158
C.S.Plot in Full 1980	474	4158

C.S.Plot in Full 1981



C.S.PLOT NO:	KH.NO:	TOUZI NO:
C.S.Plot in Full 1981	493	4158
C.S.Plot in Full 1982	490	4158
C.S.Plot in Full 1983	490	4158
C.S.Plot in Full 1984	490	4158
C.S.Plot in Full 1985	493	4158
C.S.Plot in Full 1986	493	4158
C.S.Plot in Part 1987N	2935,2936,2937,2938	10
C.S.Plot in Part 1988N	490	4158
C.S.Plot in Part 1989N	473,1780,2025,2027,2024	4158
C.S.Plot in Full 1990	474	4158
C.S.Plot in Full 1991	492	4158
C.S.Plot in Full 1992	474	4158
C.S.Plot in Full 1993	492	4158
C.S.Plot in Full 1995	1009 to 1011	10
C.S.Plot in Full 1994	492	4158
C.S.Plot in Full 1996	2926	10
C.S.Plot in Full 1997	1334,1336,1466,1337	10
C.S.Plot in Part 1998(W)	931,231	10
C.S.Plot in Full 1999	492	4158
C.S.Plot in Full 2000	474	4158
C.S.Plot in Full 2001	1012	10
C.S.Plot in Full 2002	1012	10
C.S.Plot in Part 2003(W)	153	10
C.S.Plot in Part 2004 W	1822,1725,1735,1821	10
C.S.Plot in Part 2009 E	1556	10
C.S.Plot in Part 2010 E	358,2351,2742	10
C.S.Plot in Part 2011 E	478	4158
C.S.Plot in Part 2012 E	465	10
C.S.Plot in Full 2013	478	4158
C.S.Plot in Full 2014	298	10
C.S.Plot in Full 2015	1666,1781,1783	10
C.S.Plot in Full 2016	1371	10
C.S.Plot in Full 2019	1783,1666,1781	10
C.S.Plot in Full 2020	1095,1092,1262	10
C.S.Plot in Full 2021		
C.S.Plot in Full 2022		

C.S.PLOT NO:	KH.NO.	TOUZI NO:
C.S.Plot in Full 2021	1012	10
C.S.Plot in Full 2022	1001 to 1008	10
C.S.Plot in Full 2023	1092,1095,1262	10
C.S.Plot in Full 2025	1001 to 1008	10
C.S.Plot in Full 2026	1012	10
C.S.Plot in Full 2027	727	10
C.S.Plot in Full 2029	747	10
C.S.Plot in Part 2030 <sup>E</sup>	503	4158
C.S.Plot in Part 2031 <sup>N+E</sup>	503	4158
MOUZA - GOPINAHPUR		
C.S.Plot in Full 6141	191,474/1,1029,1183	1
C.S.Plot in Part 6212 <sup>N</sup>	2838	1
C.S.Plot in Part 6258	613	1
C.S.Plot in Part 6259	613	1
C.S.Plot in Full 6262	1671	POSSESSION 1
C.S.Plot in Part 6278	1650,1671	NOT YET 1
MOUZA - NADIHA		
C.S.Plot in Part 1938	412	10
C.S.Plot in Part 1957	312	10
C.S.Plot in Part 1960	100	10
C.S.Plot in Part 1972	251	10
C.S.Plot in Full 2017	1666,1781,1783	10
C.S.Plot in Full 2018	1001 to 1008	10
C.S.Plot in Full 2024	2520,2523,2526,2539	10
C.S.Plot in Full 2028	885	10
C.S.Plot in Part 2030	503	4158
C.S.Plot in Part 2031	503	4158

CERTIFICATE

CERTIFICATE OF POSSESSION.

Certified that I have this day the 3rd March, 1965 received possession at the hand of Shri Tushar Kanti Chaudhuri, Surveyor, Durgapur Development Authority of 50.45 acres of land mentioned in the schedule below situated in mouza - Gopinathpur, JI.No.85, and mouza Nadiha, JI.No.92, P.S.Durgapur Dist. Burdwan out of the area acquired under Declaration No.20960 L.A. dated the 3.12.64 published at pages 3565-3566, Part-I of Calcutta Gazette "Extraordinary of the 4th Idem, for Development of Industries in Durgapur Area (Block 'Z' south of Station Approach Road) and possession delivered under Section 17(1) of the L.A.Act 1 of 1894 under G.O.No. 2096/L.A. dated 9.12.64 pending the terms and conditions of the demise of the said land being finally settled by the development & Planning (Durgapur Industries) Deptt. Govt. of West Bengal.

SCHEDULE OF PLOTS.

Gopinathpur, JI. No. 85

C.S.Plot in	K.H.No.	Touzi No.	C.S.Plot No.	KH.No.	Touzi No.
C.S.Plot in Part 1191	1550	1	C.S.Plot in Full 1237	2417	1
C.S.Plot in Part 1192	3994	1	" " " Part 1238	1969	3092
C.S.Plot in Part 1193	762	1	C.S.Plot in Part 1241	613	1
C.S.Plot in Part 1207	341,3853	1	C.S.Plot in Part 1243	999	1
C.S.Plot in Part 1210	3994	1	C.S.Plot in Full <del>1229</del> 2484	615	1
C.S.Plot in Part 1209	1550	1	C.S.Plot in Part 1245	346	1
C.S.Plot in Full 1211	3994	1	C.S.Plot in Part 1247	1767	1
C.S.Plot in Full 1212	3994	1	C.S.Plot in Part 1250	2575	1
C.S.Plot in Part 1213	1660	1	C.S.Plot in Part 6129	602	1
C.S.Plot in Part 1214	761	1	C.S.Plot in Part 6131	341	1
C.S.Plot in Part 1215	2862	1	C.S.Plot in Part 6132	341	1
C.S.Plot in Part 1216					

C.S.Plot in Part 1216...

S. Plot in	K.H.No.	Touzi No.	C.S. Plot in	K.H.No.	Touzi No.
S. Plot in Part 1216	132859, 2856,2853, 2846,2835, 2841,2843, 2849	1	C.S. Plot in Full 6133	474	1
			C.S. Plot in Part 6134	1029	1
			C.S. Plot in Full 6131	88	1
S. Plot in Part 1217	3182	1	C.S. Plot in Full 6232	88	1
S. Plot in Full 1229	3994	1	C.S. Plot in Full 6233	4165	1
S. Plot in Full 1230	3994	1	C.S. Plot in Full 6234	88	1
S. Plot in Full 1231	2675	1	C.S. Plot in Full 6235	4165	1
S. Plot in Full 1232	613	1	C.S. Plot in Full 6236	4165	1
S. Plot in Full 1233	2502	1	C.S. Plot in Full 6237	2861	1
S. Plot in Full 1234	1148	1	C.S. Plot in Full 6238	4165	1
S. Plot in Full 1235	613	1	C.S. Plot in Full 6239	2781	1
S. Plot in Part 1236	613	1	C.S. Plot in Full 6240	88	1
S. Plot in Full 6135	191	1	C.S. Plot in Full 6241	3972	1
S. Plot in Full 6136	7474	1	C.S. Plot in Part 6242	3990	1
S. Plot in Full 6137	1029	1	C.S. Plot in Part 6243	3212, 3124, 3098, 3470, 3477, 3498, 3596	1
S. Plot in Full 6138	191	1			
S. Plot in Full 6139	474	1			
S. Plot in Full 6140	1029	1			
S. Plot in Full 6142	1183	1	C.S. Plot in Part 6252	4006	1
S. Plot in Full 6143	1183	1	C.S. Plot in Part 6253	709	1
S. Plot in Full 6144	2340,1256	1			
S. Plot in Full 6145	1183	1	C.S. Plot in Full 6256	1051	1
S. Plot in Full 6146	1183	1	C.S. Plot in Full 6256	583	1
S. Plot in Full 6147	90	1	C.S. Plot in Full 6287	929	1
S. Plot in Full 6148	768	1	C.S. Plot in Full 6288	929	1
S. Plot in Full 6149	1274	1	C.S. Plot in Full 6289	754	1
S. Plot in Full 6150	938	1	C.S. Plot in Full 6290	754	1
S. Plot in Full 6151	325	1	C.S. Plot in Full <u>6233</u> <u>6239</u>	88	1
S. Plot in Full 6152	374,1256	1			
S. Plot in Part 6153	2570	1	C.S. Plot in Full <u>6215</u> <u>6533</u>	4165	1
" " " 6154	938	1			
C.S. Plot in Part 6155...					

C.S.Plot No.	KH.No.	Touzi No.	C.S.Plot No.	KH.No.	Touzi No.
C.S.Plot in Part 6155	938	1	<u>Mouza Madiba J.L.No. 92</u>		
C.S.Plot in Part 6156	59	1			
C.S.Plot in Part 6181	1698	1	C.S.Plot in Part 1937	189	10
C.S.Plot in Part 6182	3170,3088	1	C.S.Plot in Part 1941	158	10
C.S.Plot in Part 6213	603	1	C.S.Plot in Part 1942	159	10
C.S.Plot in Full 6214	347/1,1256	1	C.S.Plot in Part 1945	127	10
C.S.Plot in Full 6215	89	1	C.S.Plot in Part 1946	2740, *61	10
" " 6216	1046	1	C.S.Plot in Part 1947	158	10
C.S.Plot in Full 6217	1046	1	C.S.Plot in Part 1554	231	10
C.S.Plot in Full 6218	544	1	C.S.Plot in Full 1955	158	10
" " 6219	938	1	C.S.Plot in Full 1956	1859, 1383 1857, 1858	10
C.S.Plot in Full 6220	347/1,1256	1			
C.S.Plot in Full 6221	4165	1	C.S.Plot in Part 1958	159	10
C.S.Plot in Full 6222	4165	1	C.S.Plot in Full 1991	492	4158
C.S.Plot in Full 6223	3999	1	C.S.Plot in Full 1992	474	4158
C.S.Plot in Full 6224	1561	1	C.S.Plot in Full 1993	492	4158
C.S.Plot in Full 6225	88	1	C.S.Plot in Full 1994	492	4158
C.S.Plot in Full 6226	4165	1	C.S.Plot in Full 1995	1009 to 1011	10
C.S.Plot in Full 6227	83	1			
C.S.Plot in Full 6228	88	1	C.S.Plot in Full 1996	2926	10
C.S.Plot in Full 6229	88	1	C.S.Plot in Full 1997	1334, 1336 1466, 1337	10
C.S.Plot in Full 6230	88	1			
C.S.Plot in Part 6254	4006	1	C.S.Plot in Part 1998	931, 251	10
C.S.Plot in Full 6255	3152	3092	C.S.Plot in Full 1999	482	4158
C.S.Plot in Full 6256	1244	1	C.S.Plot in Full 2000	474	4158
C.S.Plot in Full 6257	59	1	C.S.Plot in Full 2001	1012	10
C.S.Plot in Full 6260	59	1	C.S.Plot in Full 2002	1012	10
C.S.Plot in Full 6261	1590	1	C.S.Plot in Part 2003	183	10
C.S.Plot in Full 6263	1590	1	C.S.Plot in Part 2004	1822, 1725 1736, 1821	10
C.S.Plot in Full 6264	1244	1			
C.S.Plot in Full 6265	768	1	C.S.Plot in Part 2009	1556	10
C.S.Plot in Full 6266	1046	1	C.S.Plot in Part 2010	358, 2331, 2741	10
C.S.Plot in Full 6267	1244	1			

C.S.Plot in Full 6268...

S.Plot No.	KH.No.	Touzi No.	C.S.Plot No.	KH.No.	Touzi No.
S.Plot in Full 6268	1046	1	C.S.Plot in Part 2011	478	4158
S.Plot in Full 6269	876	1	C.S.Plot in Part 2012	465	10
S.Plot in Full 6270	876,877	1	C.S.Plot in Full 2013	478	4158
S.Plot in Full 6171	1046	1	C.S.Plot in Full 2014	298	10
S.Plot in Full 6272	338	1	C.S.Plot in Full 2015	1660,1731 1783	10
S.Plot in Full 6273	1046	1	C.S.Plot in Full 2016	1371	10
S.Plot in Full 6274	1046	1	C.S.Plot in Full 2019	1783,1656 1781	10
S.Plot in Full 6275	1046	1	C.S.Plot in Full 2020	1095,1092 1262	10
S.Plot in Full 6276	544	1	C.S.Plot in Full 2021	1012	10
S.Plot in Full 6277	1568	1	C.S.Plot in Full 2022	1001 to 1008	10
S.Plot in Full 6278	1650,1671	1	C.S.Plot in Full 2023	1092,1095 1262	10
S.Plot in Full 6278	1227	1	C.S.Plot in Full 2025	1001 to 1008	10
S.Plot in Full 6280	517	1	C.S.Plot in Full 2026	1012	10
S.Plot in Full 6281	1227	1	C.S.Plot in Full 2027	727	10
S.Plot in Full 6282	276,1227	1	C.S.Plot in Full 2029	747	10
S.Plot in Full 6283	517	1	C.S.Plot in Part 2030	503	4158
S.Plot in Full 6284	1227	1	C.S.Plot in Part 2031	503	4158
<u>za Nadiha JL.No.92.</u>					
S.Plot in Full 1959	462	10			
S.Plot in Part 1971	231	10			
S.Plot in Full 1973	298	10			
S.Plot in Part 1974	231	10			
S.Plot in Full 1975	1371	10			
" " 1976	243	10			
Plot in Full 1977	493	4158			
Plot in full 1978	493	4158			
Plot in Full 1979	493	4158			
Plot in Full 1980	474	4158			
Plot in Full 1981	493	4158			
Plot in Full 1982	490	4158			
Plot in Full 1983	490	4158			
Plot in Full 1984	490	4158			
C.S.Plot in Full 1985					

C.S. Plot No.	22.	KH.No.	Touzi No.	C.S. Plot No.	KH.No.	Touzi No.
C.S. Plot in full 1983		493	4158			
C.S. Plot in full 1984		493	4158			
C.S. Plot in Part 1987		2935, 2936 2937, 2938	10			
C.S. Plot in Part 1988		490	4158			
C.S. Plot in Part 1989		473, 1780 2025, 2027 2024	4158			
S. Plot in full 1990		474	4158			

C.S. PLOTS OF WHICH POSSESSION ARE NOT YET DELIVERED TO DURGAPUR DEVELOPMENT AUTHORITY.

Vested land in Mouza Copinathpur, JI. NO. 85

Vested land in Mouza - Nadia, JI. No. 92

C.S. Plot in full	HN.No.	Touzi No.	C.S. Plot No.	KH.No.	Touzi No.
C.S. Plot in full 6141	191, 474/1 1029, 1183	1	C.S. Plot in Part 1933	412	10
S. Plot in Part 6210	2838	1	C.S. Plot in full 1957	412	10
S. Plot in Part 6258	613	1	C.S. Plot in Part 1960	100	10
S. Plot in " 6259	613	1	C.S. Plot in Part 1972	251	10
S. Plot in full 6262	1671	1	C.S. Plot in full 2017	1660, 1781 1783	10
S. Plot in Part 6278	1650, 1671	1	C.S. Plot in full 2018	1001 to 1008	10
			C.S. Plot in full 2024	2520, 2523 2526, 2531	10
			C.S. Plot in full 2028	825	10
			C.S. Plot in Part 2030	503	4158
			C.S. Plot in Part 2031	503	4158

B.) Total area including vested land (shown in red line) = 55.00 acres.  
 Vested land (shown in green) = (-) 4.55 acres.

Possession delivered to M/s. Graphite India Ltd. - 50.45 acres.

Altogether

23.

Altogether measuring area more or less 50.45 acres bounded in red colour in mouza Gopinathpur, JI.No.85 and mouza Nadha, JI.No.92, S.S. Durgapur, Sub-Registrar Office Gopinath, Pargana Silmur & Sargarh, Dist-Burdwan.

Area bounded on the

North by - Sagarbhanga Village,

South by - Govt. acquired land (E.Rly.siding

East by - Open land, Sagarbhanga Village

West by - Circular road to Bidhan Ch.Station  
(demolished) and Hindusthan Refractories

Possession Made over by :

Name Sd/- Samar Kundu

Designation Draughtsman  
D.P.A.

DATE

Name : Sd/- Tushar Kanti Choudhuri

Designation Surveyor  
Durgapur Development  
Authority.

Name : Sd/- Madan Mohan Maity

Designation: Amin

Date: 3.3.65

Name : Sd/- B. K. Sinha

Estate Officer  
Durgapur Development Authority

Date : 3.3.65

Possession taken over by:

Name: for Graphite India Ltd.,

Sd/- I legible,

Designation: Authorised representative.

Date : 3.3.65

C O M P L E T E D B Y

Name: Sd/- A.K. Gupta.

Designation: Secretary  
Durgapur Development  
Authority  
Durgapur-2.

Date: 3.3.65



Doc (A)

SL 5624

Acc No - 7297/89

10RS.



I = 12976021789

236260/- only in

1000 + 3000/- x 2 + 200/- + 60/-



Salvage  
 16672.00  
 11 6.00  
 16704.00

Man

2.00  
 8.00  
 9.00  
 10.00  
 11

Sd/- D. Chatterjee

10-11-89

34  
 24.00  
 2300.00  
 19-1-90

For Graphite India Ltd

Secretary

Sd/- D. Chatterjee

No - 8624

Number - 7297

5000RS



Attention is drawn that the  
 Secretary Graphite India Ltd  
 Executive Director Graphite Ltd  
 14, Netaji Subhas Road  
 Calcutta 700001  
 is  
 T.S. Disposed With  
 Sd / S. Chatterjee

1  
 5  
 15

THIS INDENTURE OF AGREEMENT made this 10th day of November, One Thousand Nine Hundred Eighty-nine BETWEEN THE GOVERNOR OF THE STATE OF WEST BENGAL hereinafter called the first party "LESSOR" (which expression shall include his

For Graphite India Ltd  
 Sd / M. S. S. S. S.  
 Secretary

Contd.....

7  
 15

For Graphite India Ltd  
 Sd / M. S. S. S. S.  
 Executive Director  
 9/10 - Allahabad Bank's Subbasar -  
 No 90057 & 10-11-89 (No 24144 & 10-11-87)  
 Rs 16,704/- in favour of S. R. Burdwan X

5000Rs.



Attention by  
L. officer sev. = planning - 121  
= C.P. Deptt Govt. of W. Bengal

88

Sd/- D. Chatterjee  
Additional Deputy Sub-Registrar  
Calcutta 10-11-89

for the  
Bhola Nath Sen  
Hemanta K. Sen  
Surgan  
Burdwan  
Kolkata  
AGY  
Bhola Nath Sen  
Sd/- Hemanta K. Sen

addresses in office and assigned) of the DIV.  
PART AND M/S. GRAPHITE INDIA LIMITED a Company  
registered under Companies Act having its  
Registered Office at 14, Netaji Subhas Road,  
Calcutta-700 001, hereinafter called the second

Contd.....3

Sd/- D. Chatterjee  
Additional Deputy Sub-Registrar  
10-11-89  
copyed = head copy  
Hari Pada Mohi  
10-1-90  
copyed copy

5000Rs.



/ 3 /

party/"LESSEE" (which expression shall unless excluded by or repugnant to the context be deemed to include its heirs, executors, administrators, representative and assign) of the OTHER PART.

WHEREAS the second party lessee has applied to

Contd.....4

9/10/22

✓

5000Rs.



/ 4 /

the first party lessor for the grant to them  
of a lease of the plot of land hereinafter more  
particularly mentioned and described in the  
schedule hereunder written, being part of the  
area of land acquired and being developed by the

Contd.....5

①  
AD

X

5000Rs.



/ 5 /

Government of West Bengal (hereinafter referred to as the 'Government') for the period and on the terms & conditions and covenants hereinafter mentioned and the first party lessor has agreed to the proposal of the second party/lessee.

AG

Contd.....6

5000Rs.



161

NOW THIS INDENTURE WITNESSETH as follows:

1. In consideration of the salami or premium of the sum of Rs.15,12,500.00 (Rupees fifteen lakhs twelve thousand five hundred only) being at the rate of Rs.5,000.00 per cottah/agreed to be paid to the first party/lessor by the second party/lessee out of which

Contd.....7

AG 3

5000Rs.



171

sum of Rs.15,12,500.00 (Rupees fifteen lakhs twelve thousand five hundred only) was paid on 25-3-1986, 26-3-1987 & 13-7-1987 and promise of the lessee to pay the rent and the lessees covenants hereinafter reserved and contained the first party/lessor doth hereby demise unto the second party/lessee

AG

Contd.....B



5000Rs.



/ 8 /

ALL THAT piece or parcel of land hereditaments and premises more particularly described in the schedule hereunder written (hereinafter referred to as the 'demised land') TO HOLD THE same UNTO the second party/lessee as from the ...10<sup>th</sup>... day of November 1989 for the term of 60 (sixty) years paying an

Contd.....9

*[Handwritten signature]*

5000Rs.



/ 9 /

annual rent at the rate of Rs.10/- (Rupees ten) per cottah or part thereof only during the said term on the 31st. day of March every year for the year of which such rent shall be due and payable without any deduction or abatement whatsoever.

Contd.....10

15  
2

5000Rs



/ 10 /

2. That the second party/lessee to the intent that the obligations may continue throughout term hereby erected hereby covenants with the first party/lessor as follows:

i) To pay the balance of the premium amounting R.....x..... (Rupees .....x....) only in .....x... equal yearly instalments, the first of such

(S) AG

Contd.....11

5000Rs.



/ 11 /

instalment being payable on the .....X.. day of ....Y.  
and the subsequent instalments on the ...X... day  
of .....X.. in succeeding years and along with each  
of such instalments to pay interest on the amount for  
the time being remaining due and payable on account  
of the balance of the premium or salami at the rate  
of 10 per cent per annum which will always remain as

Contd.....12

5000Rs



/ 12 /

first charge PROVIDED HOWEVER if the said amount be duly and punctually paid by the lessee, the lessor shall accept interest at the rate of 9 per cent per annum in lieu of 10 per cent annum. In case of default of payment of three such instalments of premium and or interest payable as aforesaid within the specified period, the Government will have

Contd....13

5000Rs.



/ 13 /

the right to determine these presents and re-enter into possession of the plot of land and to forfeit amount or amounts as already paid by the lessee.

ii) To pay the annual rent of the demised land at the rate of Rs.10/- per cottah or part thereof from the year of possession of the land or

Contd....14

5000Rs.



/ 14 /

execution of the lease agreement which is earlier in default of payment of rent within the year in which the rent fall due the lessee shall be bound to pay addition of the arrear of the rent interest at the rate of 6% per annum on the amount of rent in arrear from the date of default till the date of payment.

Contd....15

162

5000Rs.



/ 15 /

iii) To bear pay discharge all existing and future rates, taxes, assessment duties, impositions and outgoings whatsoever imposed or charged upon the demised premises or upon the owner or occupier in respect thereof or payable by either in respect thereof.

iv) To construct the building, hereinafter mentioned, according to the rules of the Municipal Authority

Contd.....16



5000Rs.



/ 16 /

having jurisdiction and in the absence of such authority according to the rules as may be prescribed by the Government and according to the plans, elevations designs and sections as may be sanctioned by the Government or by any local or statutory authority in that behalf, within three years from the date on which the premises are demised to the second party/

Contd.....17

5000Rs.



/ 17 /

lessee, failing which the first party/lessor reserves the right to terminate the agreement and resume possession of the land upon payment of the premium as originally fixed.

v) To use the demised land purely for the purpose of erecting buildings for industrial quarters for residential purpose and for no other purpose whatsoever without the previous consent in writing of the

Contd.....18

9  
15/2

✓

5000Rs



/ 18 /

Government failing which the first party/lessor reserves the right to terminate the term, forfeit the amount/amounts paid and resume possession of the land subject to payment of such reasonable compensation for standing structures, if any, as may be decided by the first party/lessor.

Contd.....19

5000Rs



/ 19 /

vi) Not to engage in the premises in any commercial activity other than those prescribed by the Municipal or any other authority empowered to do so and in particular not to engage in trades and businesses which are offensive noxious or injurious to public health.

Contd.....20

AS 4



5000Rs



/ 20 /

vii) Not to assign, underlet or part with the possession of the demised land or any part thereof without first obtaining the written consent of the first party/lessor, the Government shall have the right to impose such conditions as it may think

Contd.....21

5000Rs.



/ 21 /

in case it decides to consent to the second party/lessee assigning the lease hold interest in the demised land to any other ~~lessee~~ ~~assignee~~ ~~in~~ ~~the~~ ~~lease~~ person.

viii) Not to mortgage, transfer or charge the lease hold interest of the second party/lessee

Contd.....22

5000Rs.



/ 22 /

in the demised land and the buildings to be erected thereon without the previous consent in writing of the Government, provided however, in the event of transfer, the first party/lessor reserves the right to resume the leasehold after

AG

Contd.....23

A

5000Rs.



/ 23 /

paying to the second party/lessee the premium originally fixed and such fair and reasonable compensation for buildings and improvements effected as shall be decided by the first party/lessor.

Contd.....24

  
Adu





5000Rs



/ 24 /

ix) Should the second party/lessee goes into liquidation after having made a bequest of the leasehold premises and the building erected or to be erected thereon in favour of other than the Company/Lessee intestate leaving other

Contd.....25

5  
AS



5000Rs.



/ 25 /

than the lessee then in such case the Company/  
Lessee to whom the leasehold premises with the  
buildings thereon be so bequeathed or the heirs  
or the successors-in-interest/successors-in-  
interest of the second party/lessee, as may be

Contd.....26

(S)  
125

X

5000Rs.



/ 26 /

approved by the court or otherwise as the case may be shall hold the said property jointly without having any right to have partition of the same by metes and bounds the same shall vest.

x) To bear and pay all expenses incurred in respect of preparation, execution and registration of the indenture of lease including the stamp duty and registration fees payable therefor.

Contd.....27

5000Rs



/ 27 /

x1) to pay the proportionate charges for the lighting of street lights, near the demised premises and the proportionate cost for the maintenance of the pumps for the supply of water and gas to the demised premises at such rates as will be fixed by the Government or any other appropriate authority as the case may be. No internal development of

Contd....28

(1)  
५५

X

5000Rs



/ 28 /

road, drainage, sewerage or septic tank will be provided by the Lessor. No peripheral power connection will be provided by the Lessor. The Lessor will provide peripheral drain, water supply and approach road.

xii) Not to use or allow to be used the lease hold premises and/or the buildings and structures

Contd.....29

60  
15

✓

5000Rs.



/ 29 /

to be erected or erected thereon for any illegal or immoral purposes or to be used as to cause any annoyance or inconvenience to the occupiers of adjoining or neighbouring premises.

xiii) To keep the demised premises including the buildings, sewers, drains, walls and appurtenances in clean and sanitary condition and in a proper state of habitable condition and repairs and to keep the

Contd....30



/ 30 /

boundaries of the demised land well marked so that the same may be easily recognised and identified.

xiv) To observe, perform and comply with all requisitions as may from time to time be made by the Government or any local or statutory body in respect of the land and the buildings and structures that may be erected thereon by the lessee.

xv) To yield up the demised premises with fixtures except tenant's fixtures and additions thereto at

Contd....31

5000Rs



/ 21 /

the determination of the tenancy in good and tenantable repair and condition in accordance with the covenants hereinbefore contained.

xvi) Not to sub-divide the plot without the prior consent of the lessor.

xvii) Not to construct or allow construction of a place of public worship in any part of the demised land without the permission of the Government in writing being first had and obtained.

Contd....32



5000Rs



/ 30 /

xviii) The Government shall have the right and be entitled to re-enter and possess the demised premises or current price of the land be charged in default of observance and performance by the second party/lessee of any of the terms, conditions and covenants herein on his part contained.

3. The first party/lessor hereby covenants with the second party/lessee that the second party/lessee paying

Contd.....33

161

5000Rs.



/ 33 /

the rent hereby reserved and observed and observing  
and performing the several covenants and stipulations  
herein on their part contained shall peaceably hold and  
enjoy the demised land during the said term without  
any interruption by the second party/lessee or any  
person rightfully claiming under or trust for them.

Contd....34

*[Handwritten signature]*

5000Rs.



10Rs



/ 34 /

4. PROVIDED ALWAYS AND IT IS EXPRESSLY AGREED as follows :-

a) If the rent hereby reserved or any part thereof shall be unpaid for thirty days after becoming payable (whether formally demanded or not) or if any covenant on the second party/lessee's part herein contained shall not be performed or observed or if the second party/lessee or other person in whom for the time

Contd...35

190

5000Rs.



/ 35 /

being the term hereby erected shall be vested  
shall become bankrupt then and in any of the said  
cases it shall be lawful for the first party/lessor  
at anytime thereafter to re-enter upon the demised  
premises or any part thereof in the name of the  
whole and thereupon this demise shall absolutely  
determine but without prejudice to the right of

(S)

AG

Contd....36

✓

5000Rs.



/ 36 /

action of the first party/lessor in respect of any breach of second party/lessee's covenants herein contained.

(b) Any notice to second party/lessee required to be served hereunder by way of request demand for otherwise howsoever may be given by the Governor or the Government by leaving the same at or sending the same by post at the address of the second party/

AG

Contd.....37

5000Rs.



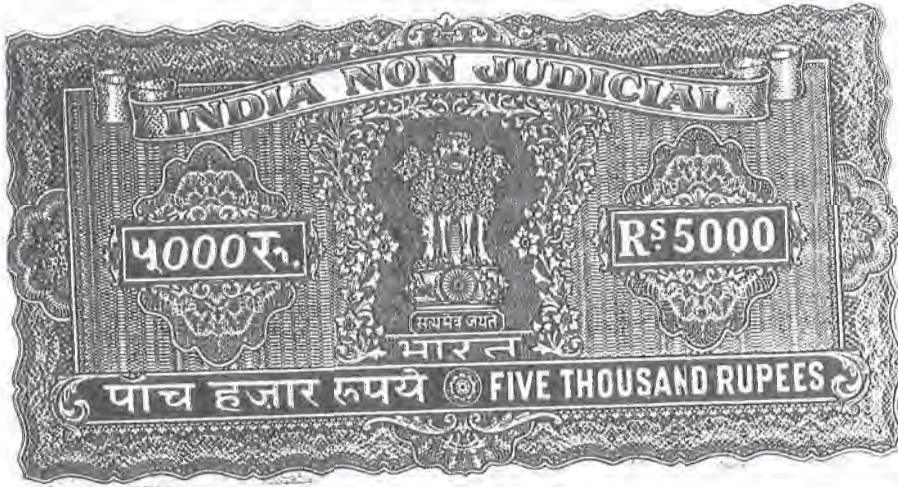
/ 37 /

Notices herein mentioned at any notice sent by post shall be deemed to have been given at the time when it would be delivered in due course of post and in proving such notice when given by post it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by the Government's officer-in-charge of the Despatch Department that the envelope was duly posted shall be conclusive.

Contd....38

②  
18/11

5000Rs.



/ 38 /

c) Should on actual measurement the area of the said demised land on demarcation of the boundaries thereof be found to be in excess of the area mentioned in the schedule hereunder written the second party/lessee shall be bound to pay proportionately additional amount as premium or salami within a fortnight from the date when the second party/lessee is called upon to make such payment by the

Contd.....39

90  
15/3

X

5000Rs.



/ 39 /

Government. In default of such payment the amount of such additional premium or salami shall carry interest at the rate of ten per cent (10%) per annum. Should however the area on such measurement upon demarcation be found to be less than the area mentioned in the schedule hereunder written the

AG

Contd. 40



5000Rs

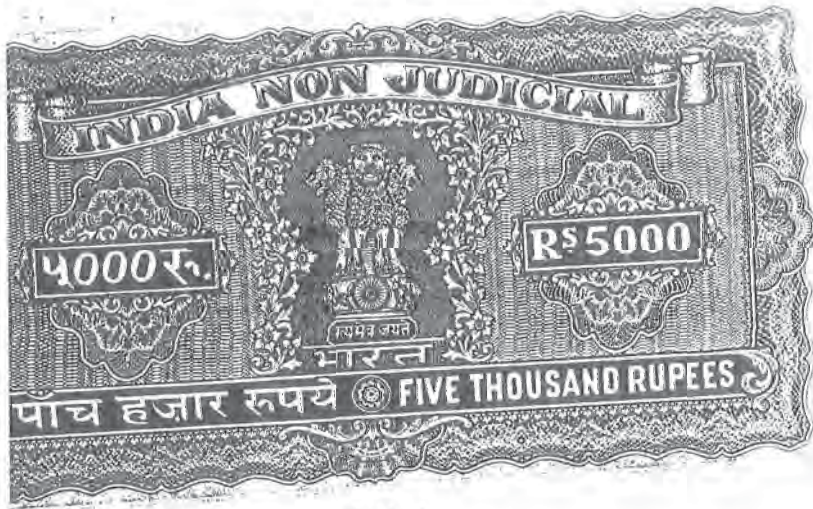


/ 40 /

second party/lessee shall be entitled to a proportionate abatement of the premium or salami and the amount of such abatement shall be credited to the account of the lessee/second party towards the balance of the premium or salami remaining unpaid as hereinbefore mentioned.

Contd....41

4)  
13



/ 41 /

d) All sums payable by the second party/lessee  
under these presents for premium or salary  
or interest or otherwise shall be recoverable as  
a public demand under the Bengal Public Demands  
Recovery Act or any statutory modifications  
thereof for the time being in force.

Contd.....42

2

8

0

5000Rs



/ 42 /

5. Should the second party/Lessee duly and faithfully observe and fulfill the terms, conditions and covenants on the part of the Second Party/Lessee herein contained, the Lessee may, on the expiration of the aforesaid

Contd.....43

162

90

5000Rs



Rs

/ 43 /

period of Sixty years, renew the leasehold interest for such period and on such terms and conditions as may be mutually agreed between the Lessor and the Lessee.

Contd.....44

190

5000Rs.



₹

/ 44 /

SCHEDULE ABOVE REFERRED TO:-

ALL THAT Piece or parcel of land measuring  
302.5 Cottahs or 217800 Square Feet 5.00 Acres  
be the same a little more or less situate lying  
at Maiza- Gopinathpur, J.L.No.85, comprising an

Contd.....45

152

7.6.90

5000Rs



rs

/ 45 /

area of 233.5 Cottans or 10019 sq. Ft. or  
 3.84 Acres out of the total area in C.S.  
 Pl. No. 5712(Part), 5713(Part), 5714(Part),  
 5715(Part), 5716(Part), 5763(Part), 5764(Part),

Contd...46

AG

19.1.90



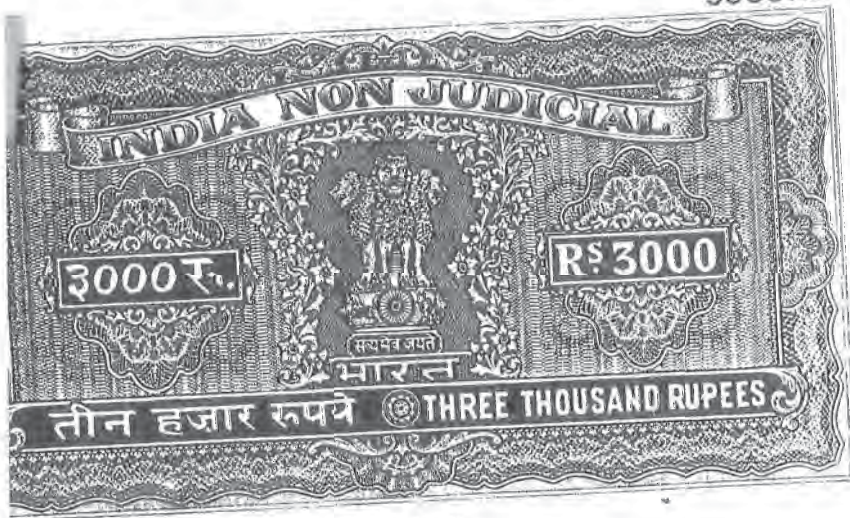
/ 46 /

5766(Part), 5766(Part), 5767(Part), 5768,  
5769(Part), 5770(Part), 5772(Part),  
5773(Part) & 5774(Part), Khatian Nos. 1703,  
1619, 1705, 1, 2, 3, 37, Touzi No. 10 and in

Contd....47

19.1.90

13



/ 47 /



Mouza- Nadiha, J.L.No. 92 comprising an area of 69 Cottahs or 49658 Sq.Ft. or 1.14 Acres out of the total area in C.S. Plot No. 62(Part) & 2536(Part), Khatian No.1262 Touzi No.10, Thana- Durgapur, Sub- Division- Durgapur, Sub-Registration Office at City Centre, Durgapur, in the District of Burdwan

Handwritten notes and signatures on the right side of the page, including the number '19'.

Contd....48

Handwritten initials 'AG' on the left side of the page.

Handwritten signature or mark at the bottom center of the page.

Handwritten signature or mark at the bottom right of the page.





/ 48 /

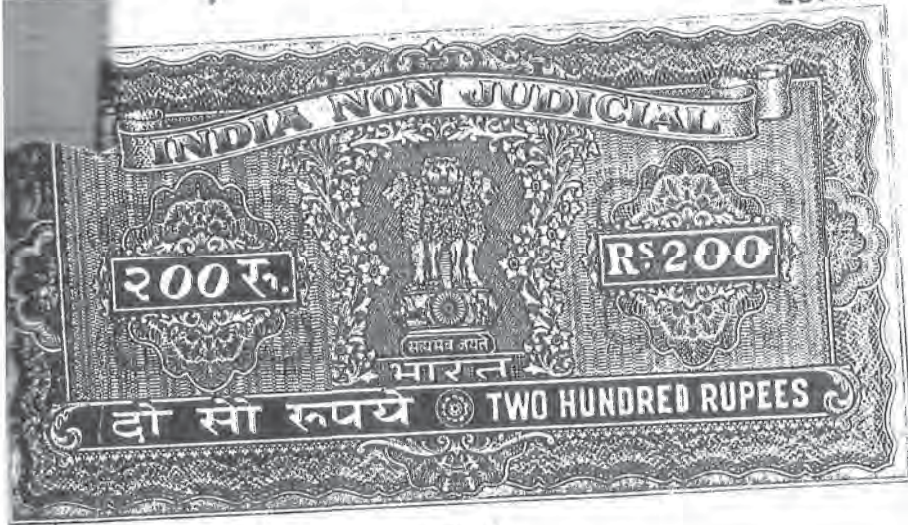
within the Durgapur Notified Area Authority  
and butted and bounded in the manner following  
that is to say on the.....

North By :- Road leading to J.P. Avenue.  
South By :- Proposed 60'-0" Wide Road.  
East By :- Road leading to Namo Sagarbhanga  
Village.  
West By :- Proposed 60'-0" Wide Road.

The said plot of land as shown in the map or  
plan annexed within boundaries in Red Colour.

Contd.....49

200Rs.



Rs.



/ 49 /

IN WITNESS WHEREOF the parties to these presents have hereunto set and subscribed their respective hands the day month and year first above written.

Contd.....50

Q  
AS

9-1-0

✓

60 Rs.



/ 50 /

SIGNED SEALED AND DELIVERED FOR and on behalf of the Governor of the State of West Bengal by the:-



.....  
.....  
.....

*[Signature]*

Special Officer  
Dev. & Planning, I & C Deptt.  
Government of West Bengal

In the presence of : *[Signature]*  
Asstn. Executive Officer  
Amal Durgapur Development Authority  
CITY CENTRE, DURGAPUR-16.

SIGNED SEALED AND DELIVERED BY :

*[Signature]*  
Graphite India Ltd.  
Executive Director

For GRAPHITE INDIA LTD.

*[Signature]*  
Executive Director

*[Signature]*  
Secretary

In the presence of :  
SUSHEEL KUMAR DUDHAR  
31 Chow. Road Cal-16.

*[Signature]*

Total No. of words in this document :

Prepared by : Asit Baram Chandra  
Surveyor  
Amal Durgapur Development Authority

Typed by : K.K. LEAH



*[Signature]*  
Haripada Nay.

*[Signature]*



**ASANSOL DURGAPUR DEVELOPMENT AUTHORITY**  
 (A Statutory Authority of the Government of West Bengal)

Durgapur Office  
 1st Administrative Building, City Centre  
 Durgapur - 713216  
 Ph. No. (0341) 2546116, 2546815  
 Fax No. (0341) 2546116  
 e-mail : asda.dgpr@gmail.com  
 ceoasda.ud@gmail.com

Asansol Office  
 Vivekananda Sarani (Serraleigh Road)  
 Near Kalyanpur Housing More, Asansol - 713305  
 Ph. No. (0341) 2546116  
 Fax No. (0341) 2257379  
 e-mail : asda.as@gmail.com  
 ceoasda.ud@gmail.com

Website : www.asdponline.in

Ref. No. ADDA / DOP. I - 929 / SAL / 21.06.2019 Date : 21.06.2019

To,  
 Asst. Environmental Engineer & In-charge  
 WBPCB, Durgapur Regional Office  
 City Centre, Durgapur - 16

Subj: Furnishing copy of Gazette notification related to notified Industrial plot of Graphite India Ltd at Mouza- Gopinathpur JL no-84 and Mouza-Nadia JL no-92, admeasuring an area of 50.45 acres.

Ref: Letter of Graphite India Ltd, bearing office memo-GIL/PP/MAY-566-2019 dated-30/5/19

Sir,

As per the above subject, this is to inform you that the Industrial premises of Graphite India Ltd at Mouza- Gopinathpur JL no-84 and Mouza-Nadia JL no-92, admeasuring an area of about 50.45 acres is under existing Industrial usages as per the notified Land Use Map and Register (LUMR) of this Authority. Further, LUMR of Durgapur subdivision under the jurisdictional area of this Authority has been duly published in the Kolkata Gazette dated 21/2/2019 for the purpose of the provision of the sub-section(6) of section 29 of West Bengal Town and country planning and development Act, 1979. Copy of the LUMR notification along with part of landuse register enclosed here with for ready reference.

Thanking you.

Yours faithfully,  
 Chief Executive Officer  
 Asansol-Durgapur Development Authority

Enclosure: As stated.

Copy for kind information to:  
 ✓ The Executive Vice President (Works)  
 Graphite India Ltd, Durgapur Plant,  
 Paschim Bardhaman, Durgapur- 713211

**ASANSOL DURGAPUR DEVELOPMENT AUTHORITY**  
 (A Statutory Authority of the Government of West Bengal)  
 (Under Urban Development & Municipal Affairs Department)

1st Administrative Building,  
 City Centre,  
 Durgapur - 713216

Vivekananda Sarani, Serraleigh Road,  
 Near Kalyanpur Housing More,  
 Asansol - 713305

Memo. No.ADDA/DGP/L-1054/SAL/21.06.2019 Date: 24.09.2019

To  
 Asst. Environmental Engineer & In-Charge  
 WBPCB, Durgapur Regional Office  
 City Centre, Durgapur-16.

Sub: Rectification of our earlier letter No ADDA/DGP/L-929/SAL/2/86 dated: 21.06.2019.

Sir,

With reference to the above this is to inform you that the J.L. No under Gopinathpur Mouza was inadvertently mentioned as 84 in place of 85. The J.L. No. of Mouza Gopinathpur as mentioned in the said letter is to be read as 85 in place of 84

Yours faithfully,  
 Chief Executive Officer,  
 Asansol Durgapur Development Authority

Ref No.ADDA/DGP/L-\_\_\_\_\_ Dated: \_\_\_\_\_  
 Copy to:-  
 The Executive Vice President (Works), Graphite India Ltd,  
 Durgapur Plant, Paschim Bardhaman, Durgapur.

Chief Executive Officer,  
 Asansol Durgapur Development Authority

SPEED POST

NOC NO172047



## WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan  
10A, Block-LA, Sector-III  
Bidhannagar, Kolkata-700 098

Memo No. 151-2N-08/2020(E)-Pt.-IDated 31.03.2023

From :  
Member Secretary,  
West Bengal Pollution Control Board

To : M/s. Graphite India Limited,  
Sagarbhanga, Durgapur-713211, Dist.- Paschim Bardhaman, West Bengal.

Sub : Consent to Establish (NOC) from Environmental Point of View

Ref : i) Your letter No. Nil Dated 24.03.2023  
ii) Environmental Clearance issued by SEIAA, WB, vide EC Identification No. EC23B020WB141674, File No. EN/T-II-i/128/2021 dated 10.03.2023

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed <sup>expansion</sup> Unit of M/s Graphite India limited, Sagarbhanga, Durgapur-713211, Paschim Bardhaman, W.B. for ~~manufacturing/storage~~ installation <sup>of one Baking Furnace (Rieghammer Baking Furnace, RH 24 section Unit-III) & released accessories replacing one old Recirculating Baking Furnace) for increase in finished product capacity</sup> ~~at~~ from 52 KTPA to 67 KTPA (additional production of 15000 MTPA) at existing Unit at Sagarbhanga, Durgapur, Paschim Bardhaman, West Bengal. this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

*Mink*  
31.03.2023  
Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.

NOC NO172047

7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
  - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
  - Environment (Protection) Act, 1986
  - Environment (Protection) Rules, 1986
  - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
  - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
  - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
  - The Public Liability Insurance Act, 1991 and Amended Act, 1992
  - The Public Liability Insurance Rules, 1991 and Amended Rules 1993
  - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
  - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
  - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

**SPECIAL CONDITION :**

See Annexures.

Gross capital investment - Rs.136.89 Crores.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

*31/03/2023*  
Member Secretary/Chief Engineer,  
West Bengal Pollution Control Board  
(EIM CELL)

Memo No. 151 - 2N-08/2020(E)-Pt.-I *dd. 31.03.2023* Dated.....  
Copy forwarded for information to :

- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
- Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
- Guard file, West Bengal Pollution Control Board.
- Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly	Vill, Panpur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgs. (N)	Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan	10, Camac Street 2nd Floor Kolkata-700 017
---------------------------------------------------------	----------------------------------------------------------------------------	--------------------------------------------------------------------	--------------------------------------------------

Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata - 700 098	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Khanjanchak, P.S. Durgachak Haldia-721602 Dist. : Purba Medinipur	Paribahan Nagar Matigara, Siliguri Dist.-Darjeeling
--------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------

Satya Chowdhury  
Indoor Stadium  
Balurchar Bandh Road  
Malda-732101

Asansol Sub-Regional Office  
ADDA Commercial Market (2nd Floor)  
Opposite Asansol Fire Station  
G.T. Road, Asansol-713 301

*31/03/2023*  
Member Secretary/Chief Engineer,  
West Bengal Pollution Control Board  
(EIM CELL)  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.

Special Conditions issued to - M/s. Graphite India Limited (Expansion Project) at JL no. 85 & 92, Vill – Sagarbhanga, Durgapur, Dist – Paschim Brdhaman, West Bengal (Application no. 3484968)

**Emission :-**

Sl. No.	Equipment	APC device	Stack Height (m)
1	Proposed Finishing unit Electrode dust collector	Bag Filter	15
2	Proposed Finishing unit nipple dust collector	Bag Filter	15
3	Riedhammer Baking Furnace	ESP	45
4	Stock cleaning machine dust collector	Bag Filter	24
5	Jaw Crusher machine dust collector	Bag filter	22
6	3X500 KVA DG Sets	Individual acoustic enclosures with stacks of height 9m above DG room	

- 1) Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB. Particulate emission from all stacks shall be less than  $30\text{mg}/\text{Nm}^3$ .
- 2) The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16<sup>th</sup> November, 2009 should be complied with.
- 3) Dry fog system and water sprinklers to be installed to arrest fugitive emission.
- 4) 24X7 continuous emission monitoring system at process stacks to be installed and as well as Continuous Ambient Air Quality Station for monitoring AAQ parameters to be installed.

**Effluent :-**

- 1) Process – All scrubber effluent to be treated in ETP. Treated effluent to be recycled.
- 2) 24X7 continuous effluent monitoring system to be installed.
- 3) Cooling water to be recycled after settling.
- 4) Domestic – to be treated in STP.
- 5) ZLD system to be strictly followed.

**Solid Waste :-**

- 1) Bag Filter dust – to be reused in different processes.
- 2) The proponent should abide by the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

**General :-**

- 1) Noise Control – Ambient noise level not to exceed the permissible limit.
- 2) No additional machineries / equipment can be installed without prior permission from the State Board.
- 3) No change in raw materials, products and production capacity should be made without prior permission from the State Board.
- 4) Plant layout should be as per EIA Report/DPR submitted during EC process.
- 5) Proper lighting and proper pathway inside the factory premises should be constructed.
- 6) Adequate measures to be adopted for control of fugitive emission.
- 7) The unit should not start operation without obtaining 'Consent to Operate' from the State Board after complete installation of pollution control devices.
- 8) The unit should obtain permission from the District level authority for ground water abstraction, if any, as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005; before applying for 'Consent to Operate' to this Board.
- 9) The unit should obtain Land Conversion Certificate from the competent authority, if applicable, before starting construction activities.
- 10) No construction is permitted on the land parcels, not under the possession of the industry.
- 11) At least 33% of the project area should be under green belt.

*M. B. Chatterjee*  
31/03/2023  
Chief Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.



**Annexure I to NOC Sl. No. – NO172047**

**Special Conditions issued to - M/s. Graphite India Limited (Expansion Project) at JL no. 85 & 92, Vill – Sagarbhanga, Durgapur, Dist – Paschim Brdhaman, West Bengal (Application no. 3484968)**

- 12) Rain water harvesting must be done however recharging of harvested rain water is not allowed under any circumstances.
- 13) All conditions as imposed by SEIAA, West Bengal through their Environmental Clearance issued vide EC Identification No. - EC23B020WB141674, File No. - EN/T-II-1/128/2021, Dated 10.03.2023 shall be strictly complied with.
- 14) Good house-keeping to be maintained.
- 15) This NOC is valid up to **31.03.2030** for setting up the unit.

*Mukherjee*  
*31/03/2023*

**Chief Engineer (EIM Cell)  
West Bengal Pollution Control Board**

*Chief Engineer*  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.

Application No. 3832565  
**WEST BENGAL POLLUTION CONTROL BOARD**



'Paribesh Bhawan'  
Bldg. No. - 10A, Block - LA, Sector-III  
Salt Lake City, Kolkata-700 098  
"Expansion"

Consent Letter Number : C0144055

Memo Number : 594-7/WPBD - Cont (408)/98 (Pt-VII) Date : 30/10/2023.

**Consent to Operate**

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and  
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s. Graphite India Limited

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at P.O.-Sagarbanga, Durgapur,  
P.S.- Coke Oven, Dist.- Paschim Bardhaman, Pin-713211

(Detailed address of the manufacturing unit)

for a period from Date of issue to 30/11/2023

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

Rishi 30/10/2023  
Environmental Engineer  
W. B. Pollution Control Board  
Operation & Execution Cell

## ANNEXURE

Consent to M/s. Graphite India Limited  
 for its unit at P.O.- Sagarbanga, Durgapur, P.S.- Coke Oven, Dist.- Paschim  
 Bardhaman, Pin- 713211

**Conditions :**

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Finished Graphite Electrode	15000 Ton/Year
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed ..... KL.
04. Daily discharge of domestic liquid effluent shall not exceed .....KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed .....KL.
06. The Applicant shall discharge liquid effluent to .....(place of discharge)  
 through .....nos. outlets / outfalls. Zero discharge shall be maintained.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

R. Sinha  
30/10/2023  
 Environmental Engineer  
 W. B. Pollution Control  
 Operation & Execution Cell

CO144055

Consent to <sup>(3)</sup> M/s. Graphite India Limited  
 for its unit at P.O. - Sagarbhangra, Durgapur, P.S. - Coke Overn, Dist. - Paschim Bardhaman, Pin - 713211

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
1	Domestic	pH	Between : 5.5 to 9.0	Half Yearly
2	Industrial	Total Suspended Solids	Not to exceed : 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed : 250 mg/l.	
		Oil & Grease	Not to exceed : 10 mg/l.	
Treated effluent shall be recycled.				
WEST BENGAL				

09. The Applicant falls in the ..... Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. Daily water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → .....KL  
 (Water used for gardening should be included in this category of use)
- Domestic purpose → .....1.3.....KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → .....KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → .....KL

The Applicant shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

*Paluha*  
30/10/2023

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer  
 W. B. Pollution Control Board  
 Operation & Execution Office

Consent to M/s. Graphite India Limited

for its unit at P.O. - Sagarkhanga, Durgapur, P.S. - Coke Oven, Dist. - Paschim Bardhaman, Pin - 713211

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.I., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm <sup>3</sup> /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed			Frequency of emission sampling
					SPM (mg/Nm <sup>3</sup> )	CO (%v/v)		
S-I	15	Finishing unit with Bag Filter			30	-		Half-Yearly
S-2	15	Finishing unit (nipple) - Bag Filter			30	-		-Do-
S-3	45	Baking Furnace RH 24(III) with ESP			30	-		-Do-
S-4	24.3	Stock cleaning machine with Bag Filter			30	-		-Do-
S-5	22.4	Jaw Crusher machine with Bag Filter			30	-		-Do-
S-6	15	500 KVA D.G. Set		-	150	-		Yearly
S-7	15	500 KVA D.G. Set		-	150	-		-Do-
S-8	15	500 KVA D.G. Set		-	150	-		-Do-
S-9								
S-10								

*Rishiha*  
30/10/2023

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer  
W. B. Pollution Control Board  
Continued.....  
Operation & Execution Cell

C0144055

(5)

Consent to M/s. Graphite India Limitedfor its unit at P.O.- Sagarbanga, Durgapur, P.S.- Coke oven, Dist.- Paschim  
Bardhaman, Pin-713211

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.
15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	HSD		D.G. Sets.
02			
03			
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Graphite Finer, Graphite Endcut Scrap, Meteoake Residue			Sale
Finer, Rattle Scrap, coke fines, cpc Residue fines.			

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) $L_{eq}$
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr. / Asst. Env. Engr.)

Date 30/10/2023

Environmental Engineer  
W. B. Pollution Control Board  
Operation & Execution Cell

Continued.....

Consent to Ms. Graphite India Limited  
 for its unit at P.O. - Sagarbhangra, Durgapur, P.S. - Coke Oven, Dist. - Paschim  
Bardhaman, Pin - 713211

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 12060 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

**Additional Conditions**

1. The unit shall operate in compliance with the EC and CTE conditions.

2. Hazardous wastes shall be disposed off as per HWM Rules, 2016.

*R. Saha*  
 30/10/2023  
 Environmental Engineer  
 W. B. Pollution Control Board  
 Operation & Execution Cell



**WEST BENGAL POLLUTION CONTROL BOARD**  
**Paribesh Bhawan, 10A, Block LA, Sector III**  
**Salt Lake City, Bidhan Nagar, Kolkata – 700 106, INDIA**  
Website : [www.wbpcb.gov.in](http://www.wbpcb.gov.in), e-mail : [wbpcbnet@wbpcb.gov.in](mailto:wbpccnet@wbpcb.gov.in)

**Category of the Industry : RED**

**Application Type: CTO**

**CTO No.: WBPCB/4403447/2023**

**Date : 05/01/2024**

**Consent to Operate (CTO) under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended.**

**Reference: Application No.: 4403447**

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and control of Pollution) Act, 1981 as amended, and Rules and Orders made thereunder hereby grants Consent to **GRAPHITE INDIA LIMITED** (hereinafter referred to as Applicant) for its unit located at **Sagarbhanga, DMC ward no.-28, P.O.- Sagarbhanga, P.S.- Coke Oven, Paschim Bardhaman-713211**, for the period from **05/01/2024** to **30/11/2028** to operate the industrial unit/project and to discharge liquid effluent and gaseous emission from the premises / land of the industrial unit/project, in accordance with the conditions as mentioned below, provided that on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in this consent letter and in the Environment (Protection) Act, 1986 and Rules thereunder, as amended.

Breach of the conditions and / or failure to comply with the directions as mentioned below shall render the industry/project liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and control of Pollution) Act, 1981 as amended.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the industry.

**Conditions :**

1 This Consent is valid for the following activities :

Sl.No	Name of Activity/Products/By-products	Production Capacity (Per Month)
1	Graphite Electrode	67000 Metric Tonnes/Year

2 The industry shall remain responsible for quantity and quality of liquid effluent and air emission.

3 Daily waste water generation and discharge shall not exceed :

No. of outlets	Source of Waste Water	Quantity in Kilo Liters/day	Place of discharge
	Various sections of the plant and wash basins	154 KLD	Entirely recycled for various plant purposes after treatment
	Sanitation activities of employees	11 KLD	Soakpit via septic tank

4 To bring into any altered or new outlet / outfall or to change the place of discharge, the industry shall have to inform the Board and obtain prior permission of the Board in this effect.



- 5 The industry shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given below:

Outlet No.	Nature of effluent	Parameters and standard			Frequency of sampling
		Parameters	Standards	Unit	
	Domestic	pH	5.5 - 9.0		-----
		Chemical Oxygen Demand (COD)	250	mg/L	
		Biological Oxygen Demand (BOD)	30	mg/L	
		Total suspended Solid (TSS)	100	mg/L	
		Oil & Grease	10	mg/L	

Provisions shall be made to install sensor-based Water Quality monitoring system and flow meter to share the information with the state board on a Real Time basis.

- 6 Daily water consumption for the following purposes shall not exceed

SL NO.	Purpose of Water Use	Quantity (KL/Day)
1.	Domestic	40.0
2.	Others(Washing)	1.0
3.	Boiler	30.0
4.	Cooling	600.0
5.	Process	135.0
6.	Others(Plantation)	130.0

- 7 The Industry shall install suitable digital device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board. The device shall be able to provide information to disseminate the quantity on a real time basis.
- 8 All the stacks connected to various sources of emissions must be designated by numbers.
- 9 The industry shall install comprehensive pollution control equipment and operate and maintain the same to conform to the standard as given below:

Stack height from ground level (m)	Stack attached to emission sources	Capacity of emission source	Fuel details		Control system (if any)	Concentrations of parameters not to exceed							Frequency of sampling	Cons up-Unit	Remarks
			Fuel used	Quantity		PM(mg/Nm <sup>3</sup> )	CO(%)	Acid Mist(mg/Nm <sup>3</sup> )	Pb(mg/Nm <sup>3</sup> )	SO <sub>2</sub> (mg/Nm <sup>3</sup> )	NOX (mg/Nm <sup>3</sup> )	Others			
30	RH baking furnace(14 sec, 42MT/charge)	42	CBM	0 Metric Tonne/Day	ESP	150	1						Half-yearly	Metric Tonne	
30	Tunnel kiln#1 (Re-baking furnace, 4.6TPH)	4.6	CBM	250 Cubic Meter s/Hour	Incinerator	150	1						Half-yearly	Metric Tonne s/Hour	
30	Tunnel kiln#2 (Re-baking furnace, 4.6TPH)	4.6	CBM	250 Cubic Meter s/Hour	Incinerator	150	1						Half-yearly	Metric Tonne s/Hour	
45	RH#2 baking furnace(24 sec,3.8TPH)	3.8	CBM	90 Cubic Meter s/Hour	ESP	150	1						Half-yearly	Metric Tonne s/Hour	
45	RH#3 baking furnace(24 sec,3.8TPH)	3.8	CBM	105 Cubic Meter s/Hour	ESP	30	1						Half-yearly	Metric Tonne s/Hour	
30	TFH-3 nos. (4 lac-kcal/hr each) [PI#2]	120000	CBM	120 Cubic Meter s/Hour		150	1						Half-yearly	KCAL/HOUR	

45	RH#1 (24-section, 80MT/charge) & RH (16-section, 80MT/charge)	160	CBM	Cubic Meter s/Hou r	ESP	150	1						Half-yearly	Metri c Tonne
30	HGG-4nos. (2 lac-kcal/h r each) [PI#2]	800000	CBM	Cubic Meter s/Hou r	Water scrub ber	150	1						Half-yearly	KCA L/HO UR
29.29	Boiler (1.5T on & 2Ton) [Extru sion# 1]	3.5	CBM	86 Cubic Meter s/Hou r		100	1						Half-yearly	Metri c Tonne s/Hou r
14.1	DG set (500K VA) [of RH#1 (24-sections)& RH-16 section s]]	500	HSD	0.1 Kilo Liters/ Hour		150	1						Yearly	KVA
13.91	DG set (630K VA) [For Tunne l Kiln]	630	HSD	1.02 Kilo Liters/ Hour		150	1						Yearly	KVA
13.2	DG set (500K VA) [For RH#2 (24-section s)]	500	HSD	0.1 Kilo Liters/ Hour		150	1						Yearly	KVA
13.2	DG set (500K VA) [For RH#2 (24-section s)]	500	HSD	0.1 Kilo Liters/ Hour		150	1						Yearly	KVA

"This is computer generated document from OCMMS by WBPCB"

14.1	DG set (500K VA) [of RH#1 (24-sections)& RH-16 sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
8.0	DG set (250K VA) [For LWG #3]	250	HSD	0.05 Kilo Liters/Hour		150	1						Yearly	KVA	
11.5	DG set (500K VA) [For LWG #4]	500	HSD	0.1 Metric Tonne/Day		150	1						Yearly	KVA	
15.0	DG set (500K VA) [For RH#3, 24-sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
13.27	DG set (1010 KVA) [For Extrusion#2]	1010	HSD	0.2 Kilo Liters/Hour		150	1						Yearly	KVA	
7.5	DG set (250K VA) [For RH-14 sections]	250	HSD	0.05 Kilo Liters/Hour		150	1						Yearly	KVA	
13.27	DG set (1010 KVA) [For Extrusion#2]	1010	HSD	0.2 Kilo Liters/Hour		150	1						Yearly	KVA	

13.2	DG set (500K VA) [For RH#2, 24-sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
14.1	DG set (500K VA) [of RH#1 (24-sections)& RH-16 sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
14.5	DG set (750K VA) [FOR LWG #5]	750	HSD	0.15 Kilo Liters/Hour		150	1						Yearly	KVA	
13.91	DG set (630K VA) [For Tunnel Kiln]	630	HSD	0.12 Kilo Liters/Hour		150	1						Yearly	KVA	
15.0	DG set (500K VA) [For RH#3, 24-sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
15.0	DG set (500K VA) [For RH#3, 24-sections]	500	HSD	0.1 Kilo Liters/Hour		150	1						Yearly	KVA	
30	Mixture Fume Extractor (North) [Extrusion# 1]	0	NA	Metric Tonne/Day		150							Half-yearly	Metric Tonne/Day	

15	Finishing Unit# 3 (South Side) Nipple Dust Collector	0	NA	Metric Tonne s/Day	Bagfilter	150							Half-yearly	Metric Tonne s/Day
22	RH#3 24-section Jaw Crusher Dust Collector	0	NA	Metric Tonne s/Day	Bagfilter	30							Half-yearly	Metric Tonne s/Day
22	RH#2 24-Section Jaw Crusher Machine Dust Collector	0	NA	Metric Tonne s/Day		150							Half-yearly	Metric Tonne s/Day
15	Extrusion #2 IRICH (Trem a) Scrubber System	0	NA	Metric Tonne s/Day	Water scrubber	150							Half-yearly	Metric Tonne s/Day
30	Cooler North (Extrusion# 1)	0	NA	Metric Tonne s/Day		150							Half-yearly	Metric Tonne s/Day
30	Fume Extractor (West side, weigh floor) [Extrusion# 1]	0	NA	Metric Tonne s/Day	Bagfilter	150								Metric Tonne s/Day
34	Extrusion#2 main dust collector	0	NA	Metric Tonne s/Day	Bagfilter	150							Half-yearly	Metric Tonne s/Day

16	Raymond Mill Dust Collector (Extrusion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Scrap System Dust Collector (Extrusion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
34	Extrusion#2 IRIC H Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Core Sampling Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
22	Main Dust Collector (Extrusion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Finishing Dust Collector (Unit# 3)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Extrusion#2 Raymond Mill Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Extrusion#2 Silo Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day

15	RH-16 Stock Cleaning Machine Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	RH-16 Jaw Crusher Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Finishing Unit# 2 Nipple line Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	RH#1 24-Section Stock Cleaning Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
15	Carbon Baked Scrap (CBS) Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day
17.5	Finishing#4, Electrode Line Dust Collector Stack	0	NA	Metri c Tonne s/Day	Bagfil ter	30							Half-yearly	Metri c Tonne s/Day
22	RH#3 24-Section Stock Cleaning Machine Dust Collector	0	NA	Metri c Tonne s/Day	Bagfil ter	30							Half-yearly	Metri c Tonne s/Day



30	Hot Gas Generator-4 nos. (6.9MT/charge each) [PI#3]	27.6	CBM	120 Cubic Meter s/Hour	Water scrubber	150	1						Half-yearly	Metri c Tonne	
17.5	Finishing#4, Nipple Line Dust Collector	0	NA	Metri c Tonne s/Day	Bagfilter	30							Half-yearly	Metri c Tonne s/Day	
18	Acheson Dust Collector	0	NA	Metri c Tonne s/Day	Bagfilter	150							Half-yearly	Metri c Tonne s/Day	
17	Extrusion#2 Scrap system Dust collector	0	NA	Metri c Tonne s/Day	Bagfilter	150							Half-yearly	Metri c Tonne s/Day	
30	RH#2 24-section Stock Cleaning Machine Dust Collector	0	NA	Metri c Tonne s/Day	Bagfilter	150							Half-yearly	Metri c Tonne s/Day	
15	Turning-1 Machine Dust Collector	0	NA	Metri c Tonne s/Day	Bagfilter	150							Half-yearly	Metri c Tonne s/Day	
30	Cooler South (Extrusion# 1)	0	NA	Metri c Tonne s/Day		150							Half-yearly	Metri c Tonne s/Day	
30	TFH-3 nos. (4 lac-kcal/hour each) [PI#3]	1200000	CBM	120 Cubic Meter s/Hour		150							Half-yearly	KCAL/HOUR	

30.5	TFH-3nos. (15 lac-kcal/hr each) [PI#4]	4500000	CBM	450 Cubic Meter s/Hou r		150	1						Half-yearly	KCA L/HO UR	
15	Fine screening dust collector (By-product unit)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day	
15	PI#2 Turning Machine Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day	
15	PI#3 Turning Machine Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half-yearly	Metri c Tonne s/Day	
30	Mixture Fume Extrac tor (Sout h) (Extru sion# 1)	0	NA	Metri c Tonne s/Day		150							Half-yearly	Metri c Tonne s/Day	
30	TFH-2 nos.(4 lac-kcal/hr each) [Extru sion# 2]	800000	CBM	80 Cubic Meter s/Hou r		150	1						Half-yearly	KCA L/HO UR	
35.8	Pre-Heate r (4.8 lac-kcal/hr each) [PI#4]	1920000	CBM	240 Cubic Meter s/Hou r		150	1						Half-yearly	KCA L/HO UR	

15.0	Finishing Dust Collector (Unit# 2)	0	NA	Metric Tonnes/Day	Bagfilter	150							Half-yearly	Metric Tonnes/Day	
------	------------------------------------	---	----	-------------------	-----------	-----	--	--	--	--	--	--	-------------	-------------------	--

10 The industry shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform etc. for monitoring / sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorized agencies.

11 Waste generation, treatment and disposal shall be as specified below :

S.No	Description of Waste	Quantity	Treatment and Disposal
1	Kitchen & office wastes	0.1 Metric Tonnes/Day	Through local conservancy
2	Discarded asbestos	574 Kilogram/Month	CHWTSDf
3	ETP sludge	417 Kilogram/Month	CHWTSDf
4	Thermocol wastes	14.75 Kilogram/Month	As per provisions of Plastic Waste Management Rules, 2016 & as amended
5	Used oil	1.5 Kilo Liters/Month	To be given to registered reprocessors or disposed as per provisions of HW Rules
6	Waste oil	1.54 Kilo Liters/Month	To be given to registered reprocessors or disposed as per provisions of HW Rules
7	Discarded paint drums	167 Kilogram/Month	CHWTSDf
8	Oil contaminated cloth/jute	1736 Kilogram/Month	CHWTSDf
9	Wasted plastic sheets (Metwrap)	396 Kilogram/Month	to be given to registered recyclers
10	Coal Tar (from ESP)	40 Metric Tonnes/Month	To be given to registered reprocessors or disposed as per provisions of HW Rules

The Industry shall obtain Authorisation for waste and also register for EPR wherever applicable.

12 The industry shall take adequate measures for control of noise level from its own sources within the premises within the limit given below :

Time	Limit in dB (A) Leq
Day time (06 a.m. to 10 p.m.)	65
Night time (10 p.m. to 06 a.m.)	55

Noise barriers should be installed if the Noise Level is found to be exceeding the desired levels.

13 The industry shall at all times maintain good house-keeping and control pollution (including fugitive emissions) from all sources to maintain clean environment in & around factory premises and in surrounding areas.

14 The Industry shall bring about at least 33% of the total land area under the tree cover.

15 The Industry shall provide sufficient alternate electric power source like Green DG or Storage Battery System etc. to operate all pollution control facilities. In absence of such alternate power source, the production shall be stopped/controlled to conform to the conditions of the Consent.

16 The industry shall install a separate energy meter showing the consumption of energy for operation of pollution control devices and shall install suitable device for measuring the volume of water consumed for different purposes as mentioned in Sl.No. 3.

17 The Industry shall provide drainage system for discharge of industrial and domestic effluent and a separate drainage system for storm-water.

- 18 The industry shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 19 The Industry shall get the samples of hazardous wastes / leachates analysed at least once in a year from a laboratory recognised by the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
- 20 The Industry shall submit the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form V) as required under the provisions of Rule 14 of the Environment (Protection) [Second Amendment] Rules 1992 by 30th September of every year, to the WBPCB.
- 21 The Industry shall allow the officers of the State Board to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring by the State Board as well as by authorized agencies of the State Board, as and when required by them.
- 22 The industry shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.
- 23 The Industry shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emission.
- 24 The Industry shall maintain adequate number of qualified and trained personnel among its staff for proper maintenance and operation of the effluent treatment and/or emission control devices and for overall environment management of the industry.
- 25 The Industry shall have to make registration for the use of groundwater if any, with State Water Investigation Directorate (SWID).
- 26 The Industry shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quantity as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant shall (i) take all steps adequate to prevent such accident discharge / release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
- 27 If the Industry is using Diesel Generator set or generating any other hazardous waste, it should install a Digital Display Board to discriminate all information as stipulated in this regard.
- 28 The industry shall make an application to the State Board in the prescribed form for renewal of the consent at least 120 (one hundred & twenty) days before the date of expiry of this Consent.
- 29 The industry shall not make any alteration / expansion / modification in the existing manufacturing process and equipment, pollution control system and shall not alter or bring in any new outlet/outfall or stack or change the place of discharge, without prior approval of the Board.
- 30 The industry shall comply with all applicable Environmental Acts and Rules.
- 31 The Industry shall comply with the provisions of relevant Waste Management Rules and also submit Annual Returns / Manifests on regular basis.
- 32 Concealing factual data or submission of false or fabricated data/information may result in revocation of Consent to Operate and attract action under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.

### **Special Conditions:**

- 1) Unit shall strictly abide by the conditions of the EC identification no. EC23B020WB141674 dtd. 10/3/2023.

- 2) No kind of industrial liquid effluent is permitted to be discharged outside; instead, such effluent to be reused for different plant purposes after proper treatment.
- 3) Unit shall always operate with valid Hazardous Waste Authorization of the State Board.
- 4) Unit shall always operate with efficient functioning of its different air pollution control systems and shall meet the environmental standards on a regular basis. Every measure to be adopted for preventing fugitive emission from its activities.
- 5) Unit shall strictly abide by the DGFT, Ministry of Commerce & Industry, GoI notification no. 42/2015-2020 dtd. 23/10/2018, to be read with MoEF&CC, GoI O.M. no. Q-8011/54/2018-CPA dtd. 10/9/2018, regarding use of Pet Coke. Import of Pet Coke shall not exceed 60,000 Metric Tonne/annum. For the manufacture of Graphite Electrode, Pet Coke to be used only as feed stock to the tune of 70,445 Metric Tonne/annum i.e. 5870.4167 Metric Tonne/month.
- 6) By-products like Graphite fines/scraps, Met-coke residue fines, CPC residue fines, Pitch-coke, etc. to be sold out.
- 7) This consent may be revoked in case of any valid public complaint against the unit for creating environmental hazard and/or for violating environmental norms & conditions.

**Any violation of the aforesaid conditions shall entail cancellation of this Consent for Operate.**



**For and on behalf of West Bengal Pollution Control Board**



05/01/2024

**Environmental Engineer  
Durgapur Regional Office**

# Annexure 2 & 2(a)



## WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,

Kolkata – 700 098

Tel : 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731

2335-0261 / 8212 / 8213 / 7428 / 5975

Fax : 0091 (033) 2335 6730 / 2813

Website : [www.wbpcb.gov.in](http://www.wbpcb.gov.in), e-mail : [wbpcbnet@wbpcb.gov.in](mailto:wbpcbnet@wbpcb.gov.in)

Memo No. 114 /2S (HW) –598/99-2000 (Pt-I)

Date: 16.06.2022

### FORM 2

#### Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Ref.: Application authorization dated 30.07.2021 for management & handling of Hazardous & Other Waste (Management & Transboundary) Rules, 2016 and its amendment thereafter.

#### M/s. Graphite India Limited

Sagarbhanga, Durgapur, P.S.: Coke Oven, Paschim Bardhaman-713211 is hereby granted an authorisation for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the Sagarbhanga, Durgapur, P.S.: Coke Oven, Paschim Bardhaman-713211.


#### Details of Authorisation:

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity ( MT/ per year)
1.	5.1	Recycling through authorized recyclers.*	13.97 KL
2.	5.2	Disposal to CHWTSDF. *	16.17
3.	3.3	Recycling through authorized recyclers.*	14.39 KL
4.	B1	Disposal to CHWTSDF. *	5.34
5.	33.1	Recycling through authorized recyclers.*	1.55
6.	35.1	Recycling through authorized recyclers / Disposal to CHWTSDF. *	214.90
7.	35.3	Disposal to CHWTSDF. *	3.88

\* For detail refer to Specific Conditions.

(1) Authorization shall be valid for a period upto 30.04.2026 with effect from the date of issue

(2) The authorization is subject to the following general and specific conditions:

  
[Chief Engineer]  
West Bengal Pollution Control Board

Chief Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.

**A. General conditions of authorization:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30<sup>th</sup> every year for the period ending 31st March of that year.


**B. Specific conditions:**

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places and the unit shall not store hazardous waste on site for more than 90 days.
2. Waste containing oil (5.2), ETP sludge (35.3) and discarded asbestos (B1) shall be disposed to the CHWTSDF through Manifest system (Form-10).
3. Used oil (5.1), oily sludge (3.3), ESP tarry residue (35.1) and contaminated drums shall be sold through manifest system (Form 10) to the authorized recyclers having valid authorization of the State Pollution Control Board. During each sale, original Pass-book issued by SPCB to the authorized recyclers shall be endorsed mentioning

the quantity and copy of the same shall be kept as record. If not fit for recycling shall be sent to CHWTSDF facility with manifest system.

4. The unit shall submit copies of Form 10 to the State Board on a regular basis.
5. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicle's Act, 1988. The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
6. Records of hazardous waste generation, storage and disposal shall be maintained properly as form 3 of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, and shall be available to the inspecting officials of the State Board during inspection.
7. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
8. Authorisation will be revoked in case of non-compliances with any of the above conditions.

**M/s. Graphite India Limited**  
**Sagarbhangra, Durgapur, P.S.: Coke Oven,**  
**Paschim Bardhaman-713211**

  
[Chief Engineer]  
West Bengal Pollution Control Board  
Chief Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.



# Annexure 2(a)



## WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Government of West Bengal)

Paribesh Bhawan, 10A, Block – LA, Sector III, Bidhannagar

Kolkata – 700 106, Ph.: 033-2202-3000

Website: [www.wbpcb.gov.in](http://www.wbpcb.gov.in), Email: [net.wbpcb-wb@bangla.gov.in](mailto:net.wbpcb-wb@bangla.gov.in)

Memo: 36 /2S(HW)-598/99-2000 (Pt-I)

Date: 11.07.2025

To

M/s Graphite India Limited

P.O. Sagarbhanga, Durgapur, PS: Coke Oven,

Dist: Paschim Bardhaman, Pin: 713211

**Sub:** Amendment in Authorization under Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016

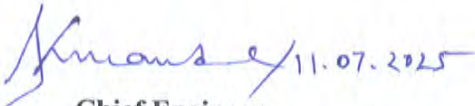
**Ref:** i) Authorization bearing memo no. 114/2S(HW)-598/99-2000 (Pt-I) dated 16.06.2022.  
ii) Your letter dated 01.07.2025.

Sir,

With reference to the above, the quantities of hazardous wastes in the existing Authorization issued vide memo no. 114/2S(HW)-598/99-2000 (Pt-I) dated 16.06.2022 are hereby amended as follows:

Sl no.	Category of hazardous Waste as per the Schedule I, II and III of HOWM Rules, 2016	Quantity mentioned in Authorization (MT/year)	Amended Quantity (MT/year)
1	5.1	13.97 KL	18.0
2	5.2	16.17	20.833
3	35.1	214.90	480.9
4	B1	5.34	6.886
5	33.1	1.55	2.0
6	3.3	14.39 KL	18.5
7	35.3	3.88	5.0

All other condition of the said Authorization issued vide memo no. 114/2S(HW)-598/99-2000 (Pt-I) dated 16.06.2022 will remain unchanged.

 11.07.2025

Chief Engineer  
Waste Management Cell

### Annexure-3

Photos of AAQMS, Ambient Noise Monitoring Station, CEMS & Camera Installed for Online monitoring of “Zero liquid discharge” of Plant

#### AMBIENT AIR QUALITY MONITORING STATION



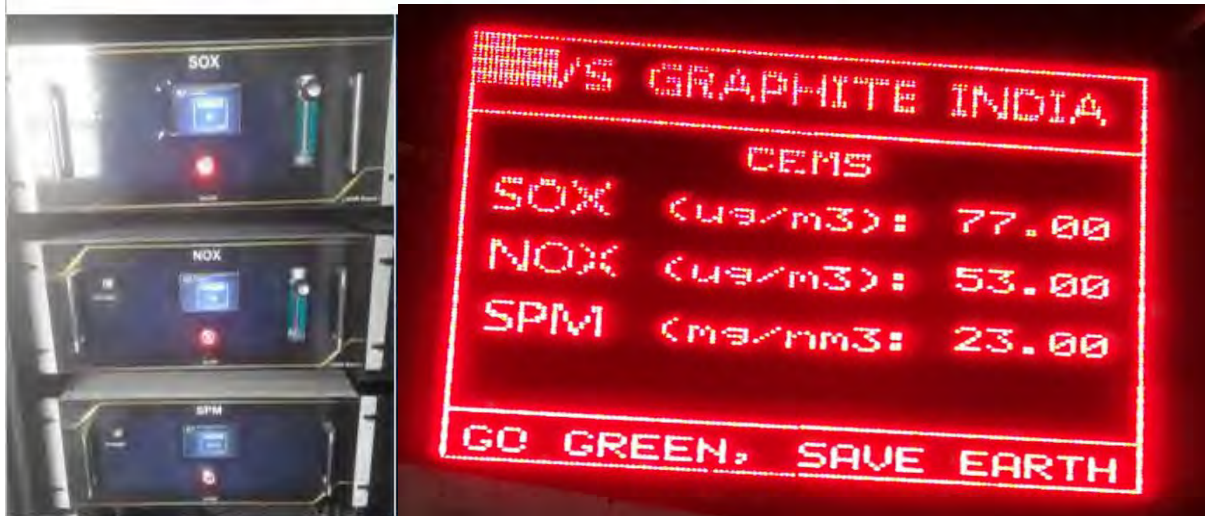
For EC compliance Ambient Air Quality Monitoring Station (AAQMS) with Outside LED Display unit Installed -Commissioning is in process

#### AMBIENT NOISE LEVEL MONITORING SYSTEM



For EC compliance Ambient Noise level Monitoring Station Installed – Commissioning is in process

## CONTINUOUS EMISSION MONITORING STATION (CEMS) INSTALLED AT BAKING RH-24(III) ESP STACK



For EC compliance - Continuous Emission monitoring Station (CEMS) Installed at Baking RH-24(III) ESP Stack – Commissioning is in process

## CAMERA INSTALLED FOR ONLINE MONITORING OF PLANT “ZERO LIQUID DISCHARGE”



For EC compliance – Camera installed at the plant outlets for monitoring of “zero liquid discharge” – Commissioning is in process.

← → ↻ Not secure emis.wbpcb.gov.in/airquality/filter\_for\_aqi.jsp

WhatsApp Cloud-Enviro | Dash... Adobe Acrobat Adobe Acrobat

**West Bengal Pollution Control Board**  
Air Quality Information System

---

SHOW AIR QUALITY INDEX (AQI)

**Choose Options**

District:  Station:  Date:

[http://emis.wbpcb.gov.in/airquality/filter\\_for\\_aqi.jsp](http://emis.wbpcb.gov.in/airquality/filter_for_aqi.jsp)

Show Air Quality Index (AQI) x +

← → ↻ Not secure emis.wbpcb.gov.in/airquality/filter\_for\_aqi.jsp

WhatsApp Cloud-Enviro | Dash... Adobe Acrobat Adobe Acrobat

**West Bengal P**  
**Air Qualit**

SHOW AIR Q

**Choose Options**

District:  Station:  Date:

← → ↻ Not secure emis.wbpcb.gov.in/airquality/filter\_for\_aqi.jsp

Google Chrome isn't your default browser

SHOW AIR QUALITY INDEX (AQI)

**Choose Options**

District:  Station:  Date:

**AQI for Graphite India Plant (AAQMS)-Near Main office on 07/08/2025**

Pollutant	Concentration (µg/m <sup>3</sup> )	Sub Index
NO2	45	56
PM10	73	73
PM2.5	54	90
SO2	41	51

Satisfactory

AQI	Remark	Color Code	Air Quality Index (AQI)	Possible Health Impacts
0-50	Good		Minimal Impact	
51-100	Satisfactory		Minor breathing discomfort to sensitive people	
101-200	Moderate		Breathing discomfort to the people with lung, heart disease, children and older adults	

### Create Station

Industry Details | Representative | Stations | **Overview**

<b>Industry Name</b> GRAPHITE INDIA LIMITED	<b>Industry Category</b> Others	<b>Industry Location</b> GRAPHITE INDIA LIMITED SAGARSHANGA,DMC, Ward no. -26, P.O.-Sagarshanga, P.S.-Coke Oven, Paschim Bardhaman,712211
------------------------------------------------	------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------

+ Add IoT / Data Logger Details

OD41WB01789_Emission_RHS_baking_furnace_24ae3_stack53_ENE02510	Approved	>
OD41WB01789_Effluent_EXTRUSION_3_FLM12667	Approved	>
OD41WB01789_Effluent_FINISHING_3_FLM12775	Approved	>

[Previous](#) | [Save](#) | [Submit](#)

© 2025 Central Pollution Control Board - All Rights Reserved.

## Annexure -3A

AAQMS(PM2.5-SOx)\_ENE02711\_05\_Dec\_25\_AAQ\_DATA

AAQMS(PM10-NOx)\_ENE02662\_05\_Dec\_25\_AAQ\_DATA

Place : Graphite India Limited, SagarBhanga Durgapur 713211

Period Apr25 to Sep25

Date Time	PM 2.5(ug/m3)	SOx(ug/m3)	Date Time	PM 10(ug/n	NOx(ug/m3)
01-04-2025	53.51	40.28	01-04-2025	72.84	45.26
02-04-2025	53.38	40.91	02-04-2025	73.7	44.74
03-04-2025	53.36	40.73	03-04-2025	72.31	44.09
04-04-2025	53.64	41.3	04-04-2025	72.17	45.75
05-04-2025	53.46	41.4	05-04-2025	72.71	45.08
06-04-2025	53.5	40.71	06-04-2025	73.29	44.79
07-04-2025	53.62	40.78	07-04-2025	71.96	44.61
08-04-2025	53.44	40.55	08-04-2025	72.01	44.88
09-04-2025	53.51	40.54	09-04-2025	72.68	45.23
10-04-2025	53.47	41.17	10-04-2025	71.6	45.06
11-04-2025	53.17	40.63	11-04-2025	72.73	44.96
12-04-2025	53.18	40.48	12-04-2025	71.75	44.84
13-04-2025	53.45	41.72	13-04-2025	72.95	45.56
14-04-2025	53.44	41.48	14-04-2025	73.21	44.15
15-04-2025	53.46	41.02	15-04-2025	72.35	44.64
16-04-2025	53.57	41.19	16-04-2025	72.49	45.91
17-04-2025	53.58	40.36	17-04-2025	72.6	45.39
18-04-2025	53.27	40.46	18-04-2025	73.31	45.33
19-04-2025	53.27	41.14	19-04-2025	74.11	44.48
20-04-2025	53	41.18	20-04-2025	72	44.65
21-04-2025	53.33	41.01	21-04-2025	72.27	44.46
22-04-2025	53.61	40.45	22-04-2025	72.7	44.31
23-04-2025	53.81	41.51	23-04-2025	71.92	45.1
24-04-2025	53.6	41.28	24-04-2025	73.42	44.71
25-04-2025	53.29	40.47	25-04-2025	73.14	44.03
26-04-2025	53.72	41.08	26-04-2025	72.46	45.05
27-04-2025	53.36	41.32	27-04-2025	72.6	46.13
28-04-2025	53.06	40.88	28-04-2025	72.5	44.75
29-04-2025	53.38	41.41	29-04-2025	74.1	45.32
30-04-2025	53.09	40.49	30-04-2025	72.68	45.2
01-05-2025	53.7	40.84	01-05-2025	72.47	45.13
02-05-2025	53.02	41.05	02-05-2025	73.32	44.65
03-05-2025	53.79	40.91	03-05-2025	73.17	44.25
04-05-2025	53.37	40.96	04-05-2025	72.12	44.84
05-05-2025	53.52	41.02	05-05-2025	73.25	45.21
06-05-2025	53.22	41.57	06-05-2025	72.36	45.16
07-05-2025	53.74	40.8	07-05-2025	71.39	45.95
08-05-2025	53.26	41.22	08-05-2025	72.2	45.1
09-05-2025	53.29	40.7	09-05-2025	71.74	45.28

10-05-2025	53.35	41.44	10-05-2025	70.82	46.07
11-05-2025	53.03	40.76	11-05-2025	71.76	45.21
12-05-2025	53.24	40.52	12-05-2025	73.28	44.18
13-05-2025	53.25	40.71	13-05-2025	72.25	45.21
14-05-2025	53.19	41.11	14-05-2025	72.44	45.1
15-05-2025	53.47	41.18	15-05-2025	71.55	45.75
16-05-2025	53.54	40.96	16-05-2025	72.55	44.35
17-05-2025	54.14	40.09	17-05-2025	72.47	44.93
18-05-2025	53.56	41.03	18-05-2025	72.36	45.58
19-05-2025	52.93	40.16	19-05-2025	71.47	44.43
20-05-2025	53.14	40.96	20-05-2025	72.52	44.98
21-05-2025	53.09	40.46	21-05-2025	71.96	45.9
22-05-2025	53.26	41.22	22-05-2025	71.37	45.55
23-05-2025	53.17	40.91	23-05-2025	72.56	44.89
24-05-2025	53.28	41.63	24-05-2025	73.25	44.24
25-05-2025	53.5	40.62	25-05-2025	71.94	44.54
26-05-2025	53.85	40.93	26-05-2025	71.89	45
27-05-2025	53.27	40.58	27-05-2025	72.78	45.02
28-05-2025	53.92	40.81	28-05-2025	72.62	44.96
29-05-2025	53.1	40.87	29-05-2025	72.94	45.54
30-05-2025	53.28	41.46	30-05-2025	71.37	45.32
31-05-2025	53.5	41.01	31-05-2025	71.81	44.95
01-06-2025	53.66	40.25	01-06-2025	73.39	45.06
02-06-2025	53.23	41.36	02-06-2025	73.49	44.71
03-06-2025	53.4	40.56	03-06-2025	70.63	45.66
04-06-2025	53.5	41.34	04-06-2025	74.09	44.41
05-06-2025	52.98	40.67	05-06-2025	71.12	44.77
06-06-2025	53.62	41.42	06-06-2025	72.08	44.59
07-06-2025	53.8	40.39	07-06-2025	72.21	45.07
08-06-2025	53.39	40.3	08-06-2025	72.43	44.7
09-06-2025	53.57	41.21	09-06-2025	71.73	45.57
10-06-2025	53.47	40.18	10-06-2025	72.2	44.75
11-06-2025	53.77	41.96	11-06-2025	71.81	44.05
12-06-2025	53.99	40.59	12-06-2025	71.77	45.83
13-06-2025	53.56	41.85	13-06-2025	73.03	45.18
14-06-2025	53.96	40.99	14-06-2025	72.51	45.01
15-06-2025	53.22	40.9	15-06-2025	71.88	45.66
16-06-2025	53.42	41.03	16-06-2025	72.81	44.48
17-06-2025	53.29	40.75	17-06-2025	72.04	44.81
18-06-2025	53.63	40.75	18-06-2025	72.23	44.88
19-06-2025	53.26	40.68	19-06-2025	71.18	44.38
20-06-2025	53.47	40.89	20-06-2025	72.57	44.98
21-06-2025	53.77	39.97	21-06-2025	72.57	46.08
22-06-2025	53.19	40.93	22-06-2025	72.66	44.89
23-06-2025	53.24	41.39	23-06-2025	72.09	45.14
24-06-2025	53.93	40.88	24-06-2025	73.1	45.05
25-06-2025	53.03	41.08	25-06-2025	73.11	45.26
26-06-2025	52.94	40.82	26-06-2025	72.28	45.39

27-06-2025	53.35	41.38	27-06-2025	72.04	45.19
28-06-2025	53.05	41.56	28-06-2025	73.26	45.26
29-06-2025	53.17	40.5	29-06-2025	72.65	46.26
30-06-2025	53.33	40.96	30-06-2025	72.07	44.73
01-07-2025	53.73	41.05	01-07-2025	73.28	45.15
02-07-2025	53.55	41.36	02-07-2025	72.5	44.1
03-07-2025	53.33	40.27	03-07-2025	72.13	44.53
04-07-2025	53.39	40.9	04-07-2025	72.95	44.69
05-07-2025	53.27	41.71	05-07-2025	71.14	44.51
06-07-2025	53.33	40.88	06-07-2025	72.35	46.12
07-07-2025	53.5	40.98	07-07-2025	72.84	44.93
08-07-2025	53.42	40.37	08-07-2025	72.67	44.92
09-07-2025	53.28	40.88	09-07-2025	72.38	44.38
10-07-2025	53.18	41.46	10-07-2025	73.56	44.68
11-07-2025	53.02	40.35	11-07-2025	73.64	45.2
12-07-2025	53.57	41.03	12-07-2025	72.31	44.88
13-07-2025	53.3	40.57	13-07-2025	72.49	45.08
14-07-2025	53.4	41.32	14-07-2025	72.33	45.54
15-07-2025	53.4	40.95	15-07-2025	71.75	44.58
16-07-2025	53.35	41.01	16-07-2025	71.94	45.39
17-07-2025	53.23	40.62	17-07-2025	72.57	45
18-07-2025	53.73	41.04	18-07-2025	71.98	43.85
19-07-2025	53.14	40.39	19-07-2025	72.88	45
20-07-2025	53.51	41.29	20-07-2025	73.03	44.3
21-07-2025	53.04	39.67	21-07-2025	72.36	44.78
22-07-2025	53.54	40.75	22-07-2025	74.29	45.06
23-07-2025	53.6	40.71	23-07-2025	72.67	44.06
24-07-2025	53.33	40.49	24-07-2025	72.78	44.12
25-07-2025	53.47	40.88	25-07-2025	73.05	45.38
26-07-2025	53.15	41.83	26-07-2025	72.67	46.06
27-07-2025	53.63	40.77	27-07-2025	73.17	44.6
28-07-2025	53.38	40.94	28-07-2025	72.04	44.38
29-07-2025	53.76	41.54	29-07-2025	73.03	45
30-07-2025	53.23	41.39	30-07-2025	72.44	44.85
31-07-2025	53.45	41.07	31-07-2025	72.01	44.92
01-08-2025	53.34	40.93	01-08-2025	72.84	44.75
02-08-2025	53.73	40.17	02-08-2025	72.79	44.3
03-08-2025	53.61	40.42	03-08-2025	72.48	44.89
07-08-2025	53.95	41.01	07-08-2025	73.61	44.43
08-08-2025	53.99	40.87	08-08-2025	71.93	45.07
09-08-2025	53.69	41.6	09-08-2025	73.04	45.31
10-08-2025	53.71	41.59	10-08-2025	73.33	45.49
11-08-2025	53.73	41.18	11-08-2025	72.33	45.61
12-08-2025	53.55	40.86	12-08-2025	71.29	45.19
13-08-2025	53.77	40.06	13-08-2025	71.99	44.57
14-08-2025	53.35	39.9	14-08-2025	71.51	44.88
15-08-2025	53.58	41.86	15-08-2025	72.33	44.05
16-08-2025	53.79	41.75	16-08-2025	72.7	45.27



17-08-2025	53.73	40.84	17-08-2025	73.21	44.48
18-08-2025	52.96	42.38	18-08-2025	72.86	44.59
19-08-2025	53.54	41.3	19-08-2025	71.19	44.68
20-08-2025	53.54	40.93	20-08-2025	72.28	44.28
21-08-2025	53.18	40.5	21-08-2025	72.65	45.74
22-08-2025	53.48	41.02	22-08-2025	73	45.48
23-08-2025	53.75	40.25	23-08-2025	71.97	44.98
24-08-2025	53.45	40.74	24-08-2025	73.35	44.62
25-08-2025	53.69	41.87	25-08-2025	72.74	44.9
26-08-2025	52.95	41.65	26-08-2025	72.81	44.14
27-08-2025	53.18	41.2	27-08-2025	73.64	44.96
28-08-2025	53.38	41.52	28-08-2025	72.37	44.53
29-08-2025	53.29	41.62	29-08-2025	72.15	44.7
30-08-2025	53.34	41.23	30-08-2025	71.67	45.14
31-08-2025	53.4	40.42	31-08-2025	73.29	45.39
01-09-2025	53.41	40.68	01-09-2025	72.61	45.46
02-09-2025	53.47	41.22	02-09-2025	71.15	45.32
03-09-2025	53.48	41.33	03-09-2025	71.96	45.68
04-09-2025	53.16	40.19	04-09-2025	73.39	45.11
05-09-2025	53.31	40.98	05-09-2025	72.82	45.72
06-09-2025	53.17	40.4	06-09-2025	72.34	43.81
07-09-2025	53.76	40.7	07-09-2025	73.49	45.71
08-09-2025	53.19	40.81	08-09-2025	72.43	44.36
09-09-2025	53.28	41.08	09-09-2025	72.13	44.45
10-09-2025	53.46	40.49	10-09-2025	71.93	44.38
11-09-2025	52.58	40.46	11-09-2025	72.61	44.69
12-09-2025	53.94	40.64	12-09-2025	72.16	44.63
13-09-2025	53.45	41.39	13-09-2025	72.69	44.79
14-09-2025	53.41	40.49	14-09-2025	72.83	44.49
15-09-2025	53.29	40.78	15-09-2025	72.48	45.22
16-09-2025	53.69	41.44	16-09-2025	72.1	45.66
17-09-2025	53.71	41.72	17-09-2025	72.56	44.82
18-09-2025	53.49	41.29	18-09-2025	72.17	45.06
19-09-2025	52.68	40.98	19-09-2025	73.23	44.48
20-09-2025	53.26	41.61	20-09-2025	72.97	44.71
21-09-2025	53.21	41.62	21-09-2025	71.54	44.56
22-09-2025	53.51	41.34	22-09-2025	72.11	44.73
23-09-2025	53.44	41.47	23-09-2025	72.42	44.76
24-09-2025	53.44	40.79	24-09-2025	72.3	44.12
25-09-2025	53.14	40.86	25-09-2025	72.63	44.17
26-09-2025	53.51	40.87	26-09-2025	73	45.43
27-09-2025	53.18	40.76	27-09-2025	71.95	45.34
28-09-2025	53.52	40.55	28-09-2025	72.01	44.46
29-09-2025	54.25	41.05	29-09-2025	72.75	44.05
30-09-2025	53.51	40.4	30-09-2025	72.22	44.74

## CEMS\_ENE02510\_05\_Dec\_25\_AAQ\_DATA

Place : Graphite India Limited, SagarBhanga Durgapur 713211

Period Apr25 to Sep25

Date Time	SOx(mg/nm3)	NOx(mg/nm3)	Suspended Particulate Matter(mg/Nm3)
01-04-2025	78.01	58.54	21.48
02-04-2025	77.94	57.55	21.08
03-04-2025	77.91	57.94	21.36
04-04-2025	78.08	57.67	21.57
05-04-2025	78.03	58.38	21.2
06-04-2025	79.12	59.57	20.71
07-04-2025	78.15	58.57	21.73
08-04-2025	78.78	57.97	22.27
09-04-2025	78.28	58.25	20.89
10-04-2025	77.82	57.69	20.79
11-04-2025	78.53	58.72	21.28
12-04-2025	78.45	59.65	21.53
13-04-2025	79.45	57.85	21.52
14-04-2025	75.26	57.42	20.97
15-04-2025	77.64	57.75	21.22
16-04-2025	79.04	57.82	21.83
17-04-2025	77.61	58.11	20.66
18-04-2025	78.5	58.66	21.66
19-04-2025	79.41	58.29	21.54
20-04-2025	77.49	58.58	20.45
21-04-2025	78.57	57.29	20.6
22-04-2025	79.22	57.28	21.66
23-04-2025	77.64	57.42	21.54
24-04-2025	78.08	58.01	20.71
25-04-2025	78.9	57.27	21.84
26-04-2025	78.45	58.9	21.92
27-04-2025	78.18	58.55	21.77
28-04-2025	79.48	57.87	21.48
29-04-2025	79.01	59.29	21.77
30-04-2025	78.19	59.05	21.32
01-05-2025	78.36	57.82	21.82
02-05-2025	77.56	58.57	21.58
03-05-2025	77.82	59.09	21.03
04-05-2025	77.84	58.27	21.78
05-05-2025	78.53	58.01	21.7
06-05-2025	78.21	58.3	21.09
07-05-2025	78.54	58.03	21.78
08-05-2025	78.52	58.36	21.45
09-05-2025	79.44	59.14	21.47
10-05-2025	77.37	58.37	21.6
11-05-2025	78.52	58.82	21.35

12-05-2025	77.85	58.56	22.04
13-05-2025	77.76	58.61	21.38
14-05-2025	78.2	58.79	21.11
15-05-2025	78.4	58.28	21.41
16-05-2025	78.29	58.73	21.89
17-05-2025	78.39	57.77	21.65
18-05-2025	78.08	58.07	21.74
19-05-2025	78.12	58.27	21.49
20-05-2025	79.54	58.61	21.34
21-05-2025	77.86	57.71	21.53
22-05-2025	78.28	58.75	21.38
23-05-2025	77.48	58.19	21.46
24-05-2025	78.66	58.4	21.71
25-05-2025	77.9	58.77	21.35
26-05-2025	77.56	58.25	21.76
27-05-2025	78.61	58.39	21.72
28-05-2025	78.69	59.55	21.9
29-05-2025	78.03	57.77	21.08
30-05-2025	79.27	59.22	20.79
31-05-2025	78.44	57.19	21.52
01-06-2025	74.95	57.98	21.1
02-06-2025	76.57	59.32	21.09
03-06-2025	79.74	56.92	22.62
04-06-2025	78.38	59	21.48
05-06-2025	74.77	58.09	21.26
06-06-2025	74.62	59.15	20.99
07-06-2025	74.91	57.68	21.15
08-06-2025	75.38	58.93	21.17
09-06-2025	77.94	58.3	21.12
10-06-2025	75.69	57.55	20.88
11-06-2025	78.13	57.88	21.1
12-06-2025	78.88	57.56	22.39
13-06-2025	79.39	57.39	21.51
14-06-2025	77.95	58.29	20.82
15-06-2025	77.86	58.2	21.27
16-06-2025	79.13	59.19	21.15
17-06-2025	78.38	59.71	21.92
18-06-2025	78.38	58.5	21.79
19-06-2025	78.23	57.44	21.95
20-06-2025	77.96	57.62	21.07
21-06-2025	78.21	57.32	21.04
22-06-2025	77.93	57.76	21.67
23-06-2025	78.98	57.51	21.05
24-06-2025	77.88	58.53	20.64
25-06-2025	78.51	57.81	21.47
26-06-2025	78.56	58.24	20.84
27-06-2025	77.59	58.52	21.48
28-06-2025	74.54	58.09	21.47

29-06-2025	79.1	58.51	20.8
30-06-2025	78	58.25	21.8
01-07-2025	77.56	59.39	21.38
02-07-2025	78.9	56.95	21.29
03-07-2025	79.04	58.86	21.08
04-07-2025	78.35	58.26	21.75
05-07-2025	76.46	59.2	20.89
06-07-2025	78.63	58.09	21.68
07-07-2025	77.84	58.55	21.1
08-07-2025	78.68	57.76	21.25
09-07-2025	77.94	58.81	20.98
10-07-2025	77.62	57.83	22.27
11-07-2025	78.68	57.72	21.68
12-07-2025	76.51	57.25	21.27
13-07-2025	77.62	58.38	21.47
14-07-2025	77.21	57.95	21.18
15-07-2025	77.69	57.93	22.22
16-07-2025	78.07	58.32	21.56
17-07-2025	77.86	58.11	22.09
18-07-2025	78.34	58.42	21.68
19-07-2025	78.62	59.04	20.82
20-07-2025	77.93	58.41	22.26
21-07-2025	78.13	58.49	21.57
22-07-2025	78.45	58.72	22.08
23-07-2025	78.01	59.15	21.47
24-07-2025	78.33	57.55	21.37
25-07-2025	78.45	58.57	21.1
26-07-2025	76.21	59.31	20.7
27-07-2025	77.59	58.2	21.83
28-07-2025	78.44	58.27	21.34
29-07-2025	77.95	58.19	21.66
30-07-2025	78.62	57.64	21.04
31-07-2025	79.85	58.47	21.39
01-08-2025	78.88	58.03	21.07
02-08-2025	78.02	58.39	21.93
03-08-2025	77.27	58.16	21.53
04-08-2025	78.28	57.2	21.29
05-08-2025	78.75	58.8	21.45
06-08-2025	77.57	58.39	21.22
07-08-2025	78.74	59.25	21.67
08-08-2025	78.67	57.65	21.74
09-08-2025	80	59.06	21.6
10-08-2025	79.48	56.59	20.97
11-08-2025	78.69	58.58	21
12-08-2025	78.44	57.66	21.41
13-08-2025	78.29	59.09	21.4
14-08-2025	79.17	57.56	21.52
15-08-2025	79.3	58.53	21.45

16-08-2025	75.41	58.4	20.57
17-08-2025	78.19	58.72	21.55
18-08-2025	78.9	58.83	21.72
19-08-2025	76.72	57.62	21.48
20-08-2025	75.96	58.06	21.83
21-08-2025	75.88	57.51	20.78
22-08-2025	78.64	58.28	21.78
23-08-2025	77.8	58.39	22
24-08-2025	78.51	58.27	21.85
25-08-2025	77.95	57.61	21.77
26-08-2025	78.67	57.85	21.2
27-08-2025	78.26	57.23	21.47
28-08-2025	79.12	57.97	21.23
29-08-2025	77.76	57.38	21.37
30-08-2025	78.22	57.37	20.77
31-08-2025	78.25	58.06	21.17
01-09-2025	78.33	58.55	21.36
02-09-2025	77.52	58.98	22.33
03-09-2025	79.21	58.37	21.93
04-09-2025	77.25	57.75	21.41
05-09-2025	77.97	57.26	21.59
06-09-2025	78.39	58.49	20.68
07-09-2025	78.71	58.43	21.62
08-09-2025	78.21	59.26	21.09
09-09-2025	78.11	58.58	22
10-09-2025	77.5	58.74	21.93
11-09-2025	78.8	58.45	21.42
12-09-2025	78.46	58.22	21.76
13-09-2025	76.63	57.27	21.82
14-09-2025	77.86	58.34	21.31
15-09-2025	78.74	58.71	21.47
16-09-2025	78.03	58.34	21.04
17-09-2025	77.75	58.77	20.95
18-09-2025	79.15	57.33	19.42
19-09-2025	79	58.29	16
20-09-2025	44.17	58.54	18.47
21-09-2025	0	58.39	21.7
22-09-2025	0	58.67	21.79
23-09-2025	0	58.43	21.13
24-09-2025	0	59.29	21.91
25-09-2025	0	58.3	25
26-09-2025	0	58.41	25
27-09-2025	0	57.85	25
28-09-2025	0	57.23	25
29-09-2025	0	58.77	25
30-09-2025	0	58.97	25

Flow Meter ID FLM12567  
Site FLM12567-Extrusion 2  
Place Graphite India Limited, Sagar Bhanga Durgapur

Date	Initial Flow (m3)	Final Flow (m3)	Daily Flow (m3)
01-04-2025	0	0	0
02-04-2025	0	0	0
03-04-2025	0	0	0
04-04-2025	0	0	0
05-04-2025	0	0	0
06-04-2025	0	0	0
07-04-2025	0	0	0
08-04-2025	0	0	0
09-04-2025	0	0	0
10-04-2025	0	0	0
11-04-2025	0	0	0
12-04-2025	0	0	0
13-04-2025	0	0	0
14-04-2025	0	0	0
15-04-2025	0	0	0
16-04-2025	0	0	0
17-04-2025	0	0	0
18-04-2025	0	0	0
19-04-2025	0	0	0
20-04-2025	0	0	0
21-04-2025	0	0	0
22-04-2025	0	0	0
23-04-2025	0	0	0
24-04-2025	0	0	0
25-04-2025	0	0	0
26-04-2025	0	0	0
27-04-2025	0	0	0
28-04-2025	0	0	0
29-04-2025	0	0	0
30-04-2025	0	0	0
01-05-2025	0	0	0
02-05-2025	0	0	0
03-05-2025	0	0	0
04-05-2025	0	0	0
05-05-2025	0	0	0
06-05-2025	0	0	0
07-05-2025	0	0	0
08-05-2025	0	0	0
09-05-2025	0	0	0
10-05-2025	0	0	0
11-05-2025	0	0	0

12-05-2025	0	0	0
13-05-2025	0	0	0
14-05-2025	0	0	0
15-05-2025	0	0	0
16-05-2025	0	0	0
17-05-2025	0	0	0
18-05-2025	0	0	0
19-05-2025	0	0	0
20-05-2025	0	0	0
21-05-2025	0	0	0
22-05-2025	0	0	0
23-05-2025	0	0	0
24-05-2025	0	0	0
25-05-2025	0	0	0
26-05-2025	0	0	0
27-05-2025	0	0	0
28-05-2025	0	0	0
29-05-2025	0	0	0
30-05-2025	0	0	0
31-05-2025	0	0	0
01-06-2025	0	0	0
02-06-2025	0	0	0
03-06-2025	0	0	0
04-06-2025	0	0	0
05-06-2025	0	0	0
06-06-2025	0	0	0
07-06-2025	0	0	0
08-06-2025	0	0	0
09-06-2025	0	0	0
10-06-2025	0	0	0
11-06-2025	0	0	0
12-06-2025	0	0	0
13-06-2025	0	0	0
14-06-2025	0	0	0
15-06-2025	0	0	0
16-06-2025	0	0	0
17-06-2025	0	0	0
18-06-2025	0	0	0
19-06-2025	0	0	0
20-06-2025	0	0	0
21-06-2025	0	0	0
22-06-2025	0	0	0
23-06-2025	0	0	0
24-06-2025	0	0	0
25-06-2025	0	0	0
26-06-2025	0	0	0
27-06-2025	0	0	0
28-06-2025	0	0	0

29-06-2025	0	0	0
30-06-2025	0	0	0
01-07-2025	0	0	0
02-07-2025	0	0	0
03-07-2025	0	0	0
04-07-2025	0	0	0
05-07-2025	0	0	0
06-07-2025	0	0	0
07-07-2025	0	0	0
08-07-2025	0	0	0
09-07-2025	0	0	0
10-07-2025	0	0	0
11-07-2025	0	0	0
12-07-2025	0	0	0
13-07-2025	0	0	0
14-07-2025	0	0	0
15-07-2025	0	0	0
16-07-2025	0	0	0
17-07-2025	0	0	0
18-07-2025	0	0	0
19-07-2025	0	0	0
20-07-2025	0	0	0
21-07-2025	0	0	0
22-07-2025	0	0	0
23-07-2025	0	0	0
24-07-2025	0	0	0
25-07-2025	0	0	0
26-07-2025	0	0	0
27-07-2025	0	0	0
28-07-2025	0	0	0
29-07-2025	0	0	0
30-07-2025	0	0	0
31-07-2025	0	0	0
01-08-2025	0	0	0
02-08-2025	0	0	0
03-08-2025	0	0	0
04-08-2025	0	0	0
05-08-2025	0	0	0
06-08-2025	0	0	0
07-08-2025	0	0	0
08-08-2025	0	0	0
09-08-2025	0	0	0
10-08-2025	0	0	0
11-08-2025	0	0	0
12-08-2025	0	0	0
13-08-2025	0	0	0
14-08-2025	0	0	0
15-08-2025	0	0	0



16-08-2025	0	0	0
17-08-2025	0	0	0
18-08-2025	0	0	0
19-08-2025	0	0	0
20-08-2025	0	0	0
21-08-2025	0	0.58	0.58
22-08-2025	0.58	0	0
23-08-2025	0	0	0
24-08-2025	0	0	0
25-08-2025	0	0	0
26-08-2025	0	0	0
27-08-2025	0	0	0
28-08-2025	0	0	0
29-08-2025	0	0	0
30-08-2025	0	0	0
31-08-2025	0	0	0
01-09-2025	0	0	0
02-09-2025	0	0	0
03-09-2025	0	0	0
04-09-2025	0	0	0
05-09-2025	0	0	0
06-09-2025	0	0	0
07-09-2025	0	0	0
08-09-2025	0	0	0
09-09-2025	0	0	0
10-09-2025	0	0	0
11-09-2025	0	0	0
12-09-2025	0	0	0
13-09-2025	0	0	0
14-09-2025	0	0	0
15-09-2025	0	0	0
16-09-2025	0	0	0
17-09-2025	0	0	0
18-09-2025	0	0	0
19-09-2025	0	0	0
20-09-2025	0	0	0
21-09-2025	0	0	0
22-09-2025	0	0	0
23-09-2025	0	0	0
24-09-2025	0	0	0
25-09-2025	0	0	0
26-09-2025	0	0	0
27-09-2025	0	0	0
28-09-2025	0	0	0
29-09-2025	0	0	0
30-09-2025	0	0	0

Timestamp	Totalizer Flow (m3)
01-04-2025	0
01-04-2025	0
02-04-2025	0
02-04-2025	0
03-04-2025	0
03-04-2025	0
04-04-2025	0
04-04-2025	0
05-04-2025	0
05-04-2025	0
06-04-2025	0
06-04-2025	0
07-04-2025	0
07-04-2025	0
08-04-2025	0
08-04-2025	0
09-04-2025	0
09-04-2025	0
10-04-2025	0
10-04-2025	0
11-04-2025	0
11-04-2025	0
12-04-2025	0
12-04-2025	0
13-04-2025	0
13-04-2025	0
14-04-2025	0
14-04-2025	0
15-04-2025	0
15-04-2025	0
16-04-2025	0
16-04-2025	0
17-04-2025	0
17-04-2025	0
18-04-2025	0
18-04-2025	0
19-04-2025	0
19-04-2025	0
20-04-2025	0
20-04-2025	0
21-04-2025	0
21-04-2025	0
22-04-2025	0
22-04-2025	0
23-04-2025	0
23-04-2025	0
24-04-2025	0

24-04-2025	0
25-04-2025	0
25-04-2025	0
26-04-2025	0
26-04-2025	0
27-04-2025	0
27-04-2025	0
28-04-2025	0
28-04-2025	0
29-04-2025	0
29-04-2025	0
30-04-2025	0
30-04-2025	0
01-05-2025	0
01-05-2025	0
02-05-2025	0
02-05-2025	0
03-05-2025	0
03-05-2025	0
04-05-2025	0
04-05-2025	0
05-05-2025	0
05-05-2025	0
06-05-2025	0
06-05-2025	0
07-05-2025	0
07-05-2025	0
08-05-2025	0
08-05-2025	0
09-05-2025	0
09-05-2025	0
10-05-2025	0
10-05-2025	0
11-05-2025	0
11-05-2025	0
12-05-2025	0
12-05-2025	0
13-05-2025	0
13-05-2025	0
14-05-2025	0
14-05-2025	0
15-05-2025	0
15-05-2025	0
16-05-2025	0
16-05-2025	0
17-05-2025	0
17-05-2025	0
18-05-2025	0

18-05-2025	0
19-05-2025	0
19-05-2025	0
20-05-2025	0
20-05-2025	0
21-05-2025	0
21-05-2025	0
22-05-2025	0
22-05-2025	0
23-05-2025	0
23-05-2025	0
24-05-2025	0
24-05-2025	0
25-05-2025	0
25-05-2025	0
26-05-2025	0
26-05-2025	0
27-05-2025	0
27-05-2025	0
28-05-2025	0
28-05-2025	0
29-05-2025	0
29-05-2025	0
30-05-2025	0
30-05-2025	0
31-05-2025	0
31-05-2025	0
01-06-2025	0
01-06-2025	0
02-06-2025	0
02-06-2025	0
03-06-2025	0
03-06-2025	0
04-06-2025	0
04-06-2025	0
05-06-2025	0
05-06-2025	0
06-06-2025	0
06-06-2025	0
07-06-2025	0
07-06-2025	0
08-06-2025	0
08-06-2025	0
09-06-2025	0
09-06-2025	0
10-06-2025	0
10-06-2025	0
11-06-2025	0

11-06-2025	0
12-06-2025	0
12-06-2025	0
13-06-2025	0
13-06-2025	0
14-06-2025	0
14-06-2025	0
15-06-2025	0
15-06-2025	0
16-06-2025	0
16-06-2025	0
17-06-2025	0
17-06-2025	0
18-06-2025	0
18-06-2025	0
19-06-2025	0
19-06-2025	0
20-06-2025	0
20-06-2025	0
21-06-2025	0
21-06-2025	0
22-06-2025	0
22-06-2025	0
23-06-2025	0
23-06-2025	0
24-06-2025	0
24-06-2025	0
25-06-2025	0
25-06-2025	0
26-06-2025	0
26-06-2025	0
27-06-2025	0
27-06-2025	0
28-06-2025	0
28-06-2025	0
29-06-2025	0
29-06-2025	0
30-06-2025	0
30-06-2025	0
01-07-2025	0
01-07-2025	0
02-07-2025	0
02-07-2025	0
03-07-2025	0
03-07-2025	0
04-07-2025	0
04-07-2025	0
05-07-2025	0

05-07-2025	0
06-07-2025	0
06-07-2025	0
07-07-2025	0
07-07-2025	0
08-07-2025	0
08-07-2025	0
09-07-2025	0
09-07-2025	0
10-07-2025	0
10-07-2025	0
11-07-2025	0
11-07-2025	0
12-07-2025	0
12-07-2025	0
13-07-2025	0
13-07-2025	0
14-07-2025	0
14-07-2025	0
15-07-2025	0
15-07-2025	0
16-07-2025	0
16-07-2025	0
17-07-2025	0
17-07-2025	0
18-07-2025	0
18-07-2025	0
19-07-2025	0
19-07-2025	0
20-07-2025	0
20-07-2025	0
21-07-2025	0
21-07-2025	0
22-07-2025	0
22-07-2025	0
23-07-2025	0
23-07-2025	0
24-07-2025	0
24-07-2025	0
25-07-2025	0
25-07-2025	0
26-07-2025	0
26-07-2025	0
27-07-2025	0
27-07-2025	0
28-07-2025	0
28-07-2025	0
29-07-2025	0

29-07-2025	0
30-07-2025	0
30-07-2025	0
31-07-2025	0
31-07-2025	0
01-08-2025	0
01-08-2025	0
02-08-2025	0
02-08-2025	0
03-08-2025	0
03-08-2025	0
04-08-2025	0
04-08-2025	0
05-08-2025	0
05-08-2025	0
06-08-2025	0
06-08-2025	0
07-08-2025	0
07-08-2025	0
08-08-2025	0
08-08-2025	0
09-08-2025	0
09-08-2025	0
10-08-2025	0
10-08-2025	0
11-08-2025	0
11-08-2025	0
12-08-2025	0
12-08-2025	0
13-08-2025	0
13-08-2025	0
14-08-2025	0
14-08-2025	0
15-08-2025	0
15-08-2025	0
16-08-2025	0
16-08-2025	0
17-08-2025	0
17-08-2025	0
18-08-2025	0
18-08-2025	0
19-08-2025	0
19-08-2025	0
20-08-2025	0
20-08-2025	0
21-08-2025 09:44	0
21-08-2025 23:59	0.58
22-08-2025 00:00	0.58

22-08-2025 23:59	0
23-08-2025 00:00	0
23-08-2025 23:58	0
24-08-2025 00:00	0
24-08-2025 23:59	0
25-08-2025 00:00	0
25-08-2025 23:59	0
26-08-2025 00:00	0
26-08-2025 02:53	0
27-08-2025 07:16	0
27-08-2025 11:00	0
28-08-2025	0
28-08-2025	0
29-08-2025	0
29-08-2025	0
30-08-2025	0
30-08-2025	0
31-08-2025	0
31-08-2025	0
01-09-2025	0
01-09-2025	0
02-09-2025	0
02-09-2025	0
03-09-2025	0
03-09-2025	0
04-09-2025	0
04-09-2025	0
05-09-2025	0
05-09-2025	0
06-09-2025	0
06-09-2025	0
07-09-2025	0
07-09-2025	0
08-09-2025	0
08-09-2025	0
09-09-2025	0
09-09-2025	0
10-09-2025	0
10-09-2025	0
11-09-2025	0
11-09-2025	0
12-09-2025	0
12-09-2025	0
13-09-2025	0
13-09-2025	0
14-09-2025	0
14-09-2025	0
15-09-2025	0



15-09-2025	0
16-09-2025	0
16-09-2025	0
17-09-2025	0
17-09-2025	0
18-09-2025	0
18-09-2025	0
19-09-2025	0
19-09-2025	0
20-09-2025	0
20-09-2025	0
21-09-2025	0
21-09-2025	0
22-09-2025	0
22-09-2025	0
23-09-2025	0
23-09-2025	0
24-09-2025	0
24-09-2025	0
25-09-2025	0
25-09-2025	0
26-09-2025 10:19	0
26-09-2025 23:59	0
27-09-2025 00:01	0
27-09-2025 23:58	0
28-09-2025 00:00	0
28-09-2025 23:59	0
29-09-2025 00:00	0
29-09-2025 23:59	0
30-09-2025 00:00	0
30-09-2025 23:58	0

Flow Meter ID      FLM12775  
Site                    FLM12775. Finishing 3  
Place                  Graphite India Limited, Sagar Bhanga Durgapur

Date	Initial Flow (m3)	Final Flow (m3)	Daily Flow (m3)
01-04-2025	0	0	0
02-04-2025	0	0	0
03-04-2025	0	0	0
04-04-2025	0	0	0
05-04-2025	0	0	0
06-04-2025	0	0	0
07-04-2025	0	0	0
08-04-2025	0	0	0
09-04-2025	0	0	0
10-04-2025	0	0	0
11-04-2025	0	0	0
12-04-2025	0	0	0
13-04-2025	0	0	0
14-04-2025	0	0	0
15-04-2025	0	0	0
16-04-2025	0	0	0
17-04-2025	0	0	0
18-04-2025	0	0	0
19-04-2025	0	0	0
20-04-2025	0	0	0
21-04-2025	0	0	0
22-04-2025	0	0	0
23-04-2025	0	0	0
24-04-2025	0	0	0
25-04-2025	0	0	0
26-04-2025	0	0	0
27-04-2025	0	0	0
28-04-2025	0	0	0
29-04-2025	0	0	0
30-04-2025	0	0	0
01-05-2025	0	0	0
02-05-2025	0	0	0
03-05-2025	0	0	0
04-05-2025	0	0	0
05-05-2025	0	0	0
06-05-2025	0	0	0
07-05-2025	0	0	0
08-05-2025	0	0	0
09-05-2025	0	0	0
10-05-2025	0	0	0
11-05-2025	0	0	0

12-05-2025	0	0	0
13-05-2025	0	0	0
14-05-2025	0	0	0
15-05-2025	0	0	0
16-05-2025	0	0	0
17-05-2025	0	0	0
18-05-2025	0	0	0
19-05-2025	0	0	0
20-05-2025	0	0	0
21-05-2025	0	0	0
22-05-2025	0	0	0
23-05-2025	0	0	0
24-05-2025	0	0	0
25-05-2025	0	0	0
26-05-2025	0	0	0
27-05-2025	0	0	0
28-05-2025	0	0	0
29-05-2025	0	0	0
30-05-2025	0	0	0
31-05-2025	0	0	0
01-06-2025	0	0	0
02-06-2025	0	0	0
03-06-2025	0	0	0
04-06-2025	0	0	0
05-06-2025	0	0	0
06-06-2025	0	0	0
07-06-2025	0	0	0
08-06-2025	0	0	0
09-06-2025	0	0	0
10-06-2025	0	0	0
11-06-2025	0	0	0
12-06-2025	0	0	0
13-06-2025	0	0	0
14-06-2025	0	0	0
15-06-2025	0	0	0
16-06-2025	0	0	0
17-06-2025	0	0	0
18-06-2025	0	0	0
19-06-2025	0	0	0
20-06-2025	0	0	0
21-06-2025	0	0	0
22-06-2025	0	0	0
23-06-2025	0	0	0
24-06-2025	0	0	0
25-06-2025	0	0	0
26-06-2025	0	0	0
27-06-2025	0	0	0
28-06-2025	0	0	0

29-06-2025	0	0	0
30-06-2025	0	0	0
01-07-2025	0	0	0
02-07-2025	0	0	0
03-07-2025	0	0	0
04-07-2025	0	0	0
05-07-2025	0	0	0
06-07-2025	0	0	0
07-07-2025	0	0	0
08-07-2025	0	0	0
09-07-2025	0	0	0
10-07-2025	0	0	0
11-07-2025	0	0	0
12-07-2025	0	0	0
13-07-2025	0	0	0
14-07-2025	0	0	0
15-07-2025	0	0	0
16-07-2025	0	0	0
17-07-2025	0	0	0
18-07-2025	0	0	0
19-07-2025	0	0	0
20-07-2025	0	0	0
21-07-2025	0	0	0
22-07-2025	0	0	0
23-07-2025	0	0	0
24-07-2025	0	0	0
25-07-2025	0	0	0
26-07-2025	0	0	0
27-07-2025	0	0	0
28-07-2025	0	0	0
29-07-2025	0	0	0
30-07-2025	0	0	0
31-07-2025	0	0	0
01-08-2025	0	0	0
02-08-2025	0	0	0
03-08-2025	0	0	0
04-08-2025	0	0	0
05-08-2025	0	0	0
06-08-2025	0	0	0
07-08-2025	0	0	0
08-08-2025	0	0	0
09-08-2025	0	0	0
10-08-2025	0	0	0
11-08-2025	0	0	0
12-08-2025	0	0	0
13-08-2025	0	0	0
14-08-2025	0	0	0
15-08-2025	0	0	0

16-08-2025	0	0	0
17-08-2025	0	0	0
18-08-2025	0	0	0
19-08-2025	0	0	0
20-08-2025	0	0	0
21-08-2025	0	0	0
22-08-2025	0	0	0
23-08-2025	0	0	0
24-08-2025	0	0	0
25-08-2025	0	0	0
26-08-2025	0	0	0
27-08-2025	0	0	0
28-08-2025	0	0	0
29-08-2025	0	0	0
30-08-2025	0	0	0
31-08-2025	0	0	0
01-09-2025	0	0	0
02-09-2025	0	0	0
03-09-2025	0	0	0
04-09-2025	0	0	0
05-09-2025	0	0	0
06-09-2025	0	0	0
07-09-2025	0	0	0
08-09-2025	0	0	0
09-09-2025	0	0	0
10-09-2025	0	0	0
11-09-2025	0	0	0
12-09-2025	0	0	0
13-09-2025	0	0	0
14-09-2025	0	0	0
15-09-2025	0	0	0
16-09-2025	0	0	0
17-09-2025	0	0	0
18-09-2025	0	0	0
19-09-2025	0	0	0
20-09-2025	0	0	0
21-09-2025	0	0	0
22-09-2025	0	0	0
23-09-2025	0	0	0
24-09-2025	0	0	0
25-09-2025	0	0	0
26-09-2025	0	0	0
27-09-2025	0	0	0
28-09-2025	0	0	0
29-09-2025	0	0	0
30-09-2025	0	0	0

Timestamp	Totalizer Flow (m3)
01-04-2025	0
01-04-2025	0
02-04-2025	0
02-04-2025	0
03-04-2025	0
03-04-2025	0
04-04-2025	0
04-04-2025	0
05-04-2025	0
05-04-2025	0
06-04-2025	0
06-04-2025	0
07-04-2025	0
07-04-2025	0
08-04-2025	0
08-04-2025	0
09-04-2025	0
09-04-2025	0
10-04-2025	0
10-04-2025	0
11-04-2025	0
11-04-2025	0
12-04-2025	0
12-04-2025	0
13-04-2025	0
13-04-2025	0
14-04-2025	0
14-04-2025	0
15-04-2025	0
15-04-2025	0
16-04-2025	0
16-04-2025	0
17-04-2025	0
17-04-2025	0
18-04-2025	0
18-04-2025	0
19-04-2025	0
19-04-2025	0
20-04-2025	0
20-04-2025	0
21-04-2025	0
21-04-2025	0
22-04-2025	0
22-04-2025	0
23-04-2025	0
23-04-2025	0
24-04-2025	0

24-04-2025	0
25-04-2025	0
25-04-2025	0
26-04-2025	0
26-04-2025	0
27-04-2025	0
27-04-2025	0
28-04-2025	0
28-04-2025	0
29-04-2025	0
29-04-2025	0
30-04-2025	0
30-04-2025	0
01-05-2025	0
01-05-2025	0
02-05-2025	0
02-05-2025	0
03-05-2025	0
03-05-2025	0
04-05-2025	0
04-05-2025	0
05-05-2025	0
05-05-2025	0
06-05-2025	0
06-05-2025	0
07-05-2025	0
07-05-2025	0
08-05-2025	0
08-05-2025	0
09-05-2025	0
09-05-2025	0
10-05-2025	0
10-05-2025	0
11-05-2025	0
11-05-2025	0
12-05-2025	0
12-05-2025	0
13-05-2025	0
13-05-2025	0
14-05-2025	0
14-05-2025	0
15-05-2025	0
15-05-2025	0
16-05-2025	0
16-05-2025	0
17-05-2025	0
17-05-2025	0
18-05-2025	0

18-05-2025	0
19-05-2025	0
19-05-2025	0
20-05-2025	0
20-05-2025	0
21-05-2025	0
21-05-2025	0
22-05-2025	0
22-05-2025	0
23-05-2025	0
23-05-2025	0
24-05-2025	0
24-05-2025	0
25-05-2025	0
25-05-2025	0
26-05-2025	0
26-05-2025	0
27-05-2025	0
27-05-2025	0
28-05-2025	0
28-05-2025	0
29-05-2025	0
29-05-2025	0
30-05-2025	0
30-05-2025	0
31-05-2025	0
31-05-2025	0
01-06-2025	0
01-06-2025	0
02-06-2025	0
02-06-2025	0
03-06-2025	0
03-06-2025	0
04-06-2025	0
04-06-2025	0
05-06-2025	0
05-06-2025	0
06-06-2025	0
06-06-2025	0
07-06-2025	0
07-06-2025	0
08-06-2025	0
08-06-2025	0
09-06-2025	0
09-06-2025	0
10-06-2025	0
10-06-2025	0
11-06-2025	0



11-06-2025	0
12-06-2025	0
12-06-2025	0
13-06-2025	0
13-06-2025	0
14-06-2025	0
14-06-2025	0
15-06-2025	0
15-06-2025	0
16-06-2025	0
16-06-2025	0
17-06-2025	0
17-06-2025	0
18-06-2025	0
18-06-2025	0
19-06-2025	0
19-06-2025	0
20-06-2025	0
20-06-2025	0
21-06-2025	0
21-06-2025	0
22-06-2025	0
22-06-2025	0
23-06-2025	0
23-06-2025	0
24-06-2025	0
24-06-2025	0
25-06-2025	0
25-06-2025	0
26-06-2025	0
26-06-2025	0
27-06-2025	0
27-06-2025	0
28-06-2025	0
28-06-2025	0
29-06-2025	0
29-06-2025	0
30-06-2025	0
30-06-2025	0
01-07-2025	0
01-07-2025	0
02-07-2025	0
02-07-2025	0
03-07-2025	0
03-07-2025	0
04-07-2025	0
04-07-2025	0
05-07-2025	0

05-07-2025	0
06-07-2025	0
06-07-2025	0
07-07-2025	0
07-07-2025	0
08-07-2025	0
08-07-2025	0
09-07-2025	0
09-07-2025	0
10-07-2025	0
10-07-2025	0
11-07-2025	0
11-07-2025	0
12-07-2025	0
12-07-2025	0
13-07-2025	0
13-07-2025	0
14-07-2025	0
14-07-2025	0
15-07-2025	0
15-07-2025	0
16-07-2025	0
16-07-2025	0
17-07-2025	0
17-07-2025	0
18-07-2025	0
18-07-2025	0
19-07-2025	0
19-07-2025	0
20-07-2025	0
20-07-2025	0
21-07-2025	0
21-07-2025	0
22-07-2025 23:37	0
22-07-2025 23:37	0
23-07-2025 02:55	0
23-07-2025 04:57	0
24-07-2025	0
24-07-2025	0
25-07-2025	0
25-07-2025	0
26-07-2025	0
26-07-2025	0
27-07-2025	0
27-07-2025	0
28-07-2025	0
28-07-2025	0
29-07-2025	0

29-07-2025	0
30-07-2025	0
30-07-2025	0
31-07-2025	0
31-07-2025	0
01-08-2025	0
01-08-2025	0
02-08-2025	0
02-08-2025	0
03-08-2025	0
03-08-2025	0
04-08-2025	0
04-08-2025	0
05-08-2025 04:57	0
05-08-2025 11:35	0
06-08-2025	0
06-08-2025	0
07-08-2025	0
07-08-2025	0
08-08-2025	0
08-08-2025	0
09-08-2025	0
09-08-2025	0
10-08-2025	0
10-08-2025	0
11-08-2025	0
11-08-2025	0
12-08-2025	0
12-08-2025	0
13-08-2025	0
13-08-2025	0
14-08-2025	0
14-08-2025	0
15-08-2025	0
15-08-2025	0
16-08-2025	0
16-08-2025	0
17-08-2025	0
17-08-2025	0
18-08-2025	0
18-08-2025	0
19-08-2025	0
19-08-2025	0
20-08-2025	0
20-08-2025	0
21-08-2025	0
21-08-2025	0
22-08-2025	0

22-08-2025	0
23-08-2025	0
23-08-2025	0
24-08-2025	0
24-08-2025	0
25-08-2025	0
25-08-2025	0
26-08-2025	0
26-08-2025	0
27-08-2025	0
27-08-2025	0
28-08-2025	0
28-08-2025	0
29-08-2025	0
29-08-2025	0
30-08-2025	0
30-08-2025	0
31-08-2025	0
31-08-2025	0
01-09-2025	0
01-09-2025	0
02-09-2025	0
02-09-2025	0
03-09-2025	0
03-09-2025	0
04-09-2025	0
04-09-2025	0
05-09-2025	0
05-09-2025	0
06-09-2025	0
06-09-2025	0
07-09-2025	0
07-09-2025	0
08-09-2025	0
08-09-2025	0
09-09-2025	0
09-09-2025	0
10-09-2025	0
10-09-2025	0
11-09-2025	0
11-09-2025	0
12-09-2025	0
12-09-2025	0
13-09-2025	0
13-09-2025	0
14-09-2025	0
14-09-2025	0
15-09-2025	0

15-09-2025	0
16-09-2025	0
16-09-2025	0
17-09-2025	0
17-09-2025	0
18-09-2025	0
18-09-2025	0
19-09-2025	0
19-09-2025	0
20-09-2025	0
20-09-2025	0
21-09-2025	0
21-09-2025	0
22-09-2025	0
22-09-2025	0
23-09-2025	0
23-09-2025	0
24-09-2025	0
24-09-2025	0
25-09-2025	0
25-09-2025	0
26-09-2025	0
26-09-2025	0
27-09-2025	0
27-09-2025	0
28-09-2025	0
28-09-2025	0
29-09-2025	0
29-09-2025	0
30-09-2025	0
30-09-2025	0



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/I	Report No.	: ENV/65/Aug./TR(A)/1/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Mat Coke Residue Fines Bins Dust Collector (LWG-5) (Stack No.5)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.3048
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 3.65
Emission Due to	: Process Activity		
Fuel Used	: --	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 15.09	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 3787.71	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 11.55	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET [CERTIFICATE NO. - NABET/EIA/2326/IA 0117]  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/II	Report No.	: ENV/65/Aug./TR(A)/II/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Reid Hammer Furnace (Baking Furnace) (Section-14) (Stack No.12)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.80
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 10.50
Emission Due to	: Combustion of CBM and Baking of Graphite Electrodes		
Fuel Used	: C.B.M	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 90 m <sup>3</sup> /hr.		
Pollution Control Device	: E.S.P		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 69.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 14.52	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 22660.86	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 14.20	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 18.50	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 11.35	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].  
 : N.A. means Not Available.  
 : Result relates only to the sample tested.

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/III	Report No.	: ENV/65/Aug./TR(A)/III/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Reid Hammer Furnace (Baking Furnace - 24) (RH - 16 & RH - 1 Section)(Stack No.13)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 45.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.8
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 33.0
Emission Due to	: Combustion of CBM and Baking of Electrodes		
Fuel Used	: C.B.M	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 170 m <sup>3</sup> /hr.		
Pollution Control Device	: E.S.P		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 73.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 15.22	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 119186.47	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 8.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 14.80	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 14.12	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA-0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/IV	Report No.	: ENV/65/Aug./TR(A)/IV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P. I. – Unit – 2 (Thermo Pack Stack) (Stack No.16)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.40
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 28.0
Emission Due to	: Combustion of CBM		
Fuel Used	: C.B.M	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 70 m <sup>3</sup> /hr.		
Pollution Control Device	: Nil		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 69.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.78	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 3818.82	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 11.20	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 16.50	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 17.56	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/V	Report No.	: ENV/65/Aug./TR(A)/V/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P. I. – Unit – 2 (HGG Stack) (Stack No.17)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.40
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 28.0
Emission Due to	: Combustion of CBM		
Fuel Used	: C.B.M	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 70 m <sup>3</sup> /hr.		
Pollution Control Device	: Water Spray & Cooling Chamber		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 64.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.05	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 5057.79	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 10.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 16.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 11.2	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA-0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 25.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/VI	Report No.	: ENV/65/Aug./TR(A)/VI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Fine Screening Dust Collector (Unit – 2) (Stack No.20)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.9
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 11.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Dual Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 14.78	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 32445.30	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 22.56	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/VII	Report No.	: ENV/65/Aug./TR(A)/VII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Fine Screening Dust Collector (Stack No.21)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.56
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 6.70
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 34.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 14.43	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 12314.81	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 22.79	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/VIII	Report No.	: ENV/65/Aug./TR(A)/VIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Tunnel Kiln # 1, Re-Baking Furnace (Stack – 23)	Height of Stack (mtr.) (from G. L.)	: 30.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.730
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 18.0
Capacity	: 4.6 TPH		
Emission Due to	: Combustion of CBM Gas		
Fuel Used	: CBM Gas	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 85 m <sup>3</sup> /hr.		
Pollution Control Device	: Incinerator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 188.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 11.36	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 10952.98	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 7.80	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 14.10	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 6.40	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/IX	Report No.	: ENV/65/Aug./TR(A)/IX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Finishing Dust Collector (Unit – 3) (Stack No.24)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.78
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 9.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 37.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 14.50	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 23761.76	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 38.30	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/X	Report No.	: ENV/65/Aug./TR(A)/X/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P. I. Unit – 3 (HGG Stack) (Stack No.25)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.40
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 28.0
Emission Due to	: Combustion of CBM		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 60 m <sup>3</sup> /hr.		
Pollution Control Device	: Water Spray and Cooling Chamber		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 55.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 10.96	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 4399.23	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 16.2	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 23.4	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.2	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 16.33	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET [CERTIFICATE NO - NABET/RIA/2326/IA 0117]  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XI	Report No.	: ENV/65/Aug./TR(A)/XI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Tunnel Kiln # 21, Reheating Furnace (Stack No.26)	Height of Stack (mtr.) (from G. L.)	: 30.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.730
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 18.0
Capacity	: 4.6 TPH		
Emission Due to	: Combustion of CBM Gas		
Fuel Used	: CBM Gas	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 140 kg/hr.		
Pollution Control Device	: Incinerator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 156.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 12.0	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 12433.08	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 14.20	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 19.60	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 14.28	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WPCB & JSPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA-0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XII	Report No.	: ENV/65/Aug./TR(A)/XII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P. I. Unit – 3 (Thermo Pack Stack) (Stack No.27)	Height of Stack (mtr.) (from G. L.)	: 30.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.40
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 28.0
Capacity	: --		
Emission Due to	: Combustion of CBM		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 70 m <sup>3</sup> /hr.		
Pollution Control Device	: Nil		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 73.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 10.78	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 4161.01	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 16.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 14.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 14.58	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXIII	Report No.	: ENV/65/Aug./TR(A)/XXXIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, Thermic Fluid Heater (Stack – 28)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.58
Capacity	: 10 Lac K-Cal/hr.	Height of sampling port (mtr.) (from G.L.)	: 20.0
Emission Due to	: Combustion of CBM		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 50 m <sup>3</sup> /hr.		
Pollution Control Device	: Nil		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 48.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 8.46	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 7414.34	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 12.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 18.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 12.40	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXIV	Report No.	: ENV/65/Aug./TR(A)/XXXIV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, IRICH Dust Collector (Stack – 29)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 34.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.30
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 28.0
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 10.24	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 2497.66	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 35.98	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXV	Report No.	: ENV/65/Aug./TR(A)/XXXV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, Main Dust Collector (Stack – 30)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 34.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.0
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 31.0
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.90	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 37519.13	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 27.16	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXVI	Report No.	: ENV/65/Aug./TR(A)/XXXVI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, Raymond Mill Dust Collector (Stack – 31)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.23
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 10.5
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 38.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 15.15	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 2147.76	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 16.89	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXVII	Report No.	: ENV/65/Aug./TR(A)/XXXVII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, Silo Dust Collector (Stack – 32)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.60
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 7.0
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 20.52	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 19933.84	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 16.45	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 25.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXVIII	Report No.	: ENV/65/Aug./TR(A)/XXXVIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, IRICH (Trema) Scrubber (Stack – 33)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.28
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 7.0
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Scrubber System		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 54.15	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 11512.86	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 14.95	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XIII	Report No.	: ENV/65/Aug./TR(A)/XIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Acheson Dust Collector (Stack – 34)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 18.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.6096
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 13.5
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 40.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.96	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 36795.06	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 8.03	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 25.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXIX	Report No.	: ENV/65/Aug./TR(A)/XXXIX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Extrusion # 2, Scrap System Dust (Stack – 35)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.65
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 8.90
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.22	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 15128.41	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 15.28	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XIV	Report No.	: ENV/65/Aug./TR(A)/XIV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH - 24 (II) Furnace (Stack – 36)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 45.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.60
Capacity	: 80 MT/Charge	Height of sampling port (mtr.) (from G.L.)	: 33.0
Emission Due to	: Combustion of CBM		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 120 m <sup>3</sup> /hr.		
Pollution Control Device	: E.S.P		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 87.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 8.97	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 53254.12	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 12.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 14.60	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 15.95	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XV	Report No.	: ENV/65/Aug./TR(A)/XV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Finishing Unit – 3 (South Side) Nipple Dust Collector (Stack – 37)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.70
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 8.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 38.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.93	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 18325.94	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 25.0	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XVI	Report No.	: ENV/65/Aug./TR(A)/XVI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Finishing Unit – 2 (South Side) Nipple Dust Collector (Stack – 38)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.61
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 9.14
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 19.63	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 19735.49	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 27.45	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XVII	Report No.	: ENV/65/Aug./TR(A)/XVII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 16, Stock Cleaning Machine Dust Collector (Stack – 39)		
Shape of Stack	: Rectangular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.4 x 0.6
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 7.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 8.41	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 6877.54	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 23.90	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XVIII	Report No.	: ENV/65/Aug./TR(A)/XVIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 24 (II) Stock Cleaning Machine Dust Collector (Stack – 40)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.65
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 15.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter & Cyclone Separator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 7.25	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 8268.19	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 15.08	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA-0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XIX	Report No.	: ENV/65/Aug./TR(A)/XIX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Turning – 1 Dust Collector (Stack – 41)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.25
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 3.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.36	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 1576.41	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 16.75	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XX	Report No.	: ENV/65/Aug./TR(A)/XX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P.I. – 2 Turning Machine Dust Collector (Stack – 42)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.25
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 3.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	41.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	10.34	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	1719.09	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	18.52	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXI	Report No.	: ENV/65/Aug./TR(A)/XXI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P.I. – 3 Turning Machine Dust Collector (Stack – 43)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.25
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 3.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: N.A.		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 39.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.40	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 1572.81	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 31.06	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXII	Report No.	: ENV/65/Aug./TR(A)/XXII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P.I. – 4 (Thermopack Stack) (Stack – 44)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.5
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.95
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 18.8
Emission Due to	: Combustion of CBM Gas		
Fuel Used	: CBM Gas	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 100 m <sup>3</sup> /hr.		
Pollution Control Device	: Nil		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 111.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.28	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 18174.57	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 12.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 16.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.4	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 10.06	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXIII	Report No.	: ENV/65/Aug./TR(A)/XXIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: P.I. – 4 (Pre-Heater) (Stack – 45)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 35.8
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.15
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 21.2
Emission Due to	: Combustion of CBM		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 60 m <sup>3</sup> /hr.		
Pollution Control Device	: Nil		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 41.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 7.26	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 25487.11	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 11.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 18.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 11.02	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXIV	Report No.	: ENV/65/Aug./TR(A)/XXIV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 24 (II) Jaw Crusher Machine Dust Collector (Stack – 46)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 22.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.48
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 10.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 10.24	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 6390.78	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 12.59	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXV	Report No.	: ENV/65/Aug./TR(A)/XXV/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Raid Hammer – 16 Jaw Crusher Machine Dust Collector (Stack – 47)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.80
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 6.4
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 34.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.33	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 16233.76	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 17.38	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXVI	Report No.	: ENV/65/Aug./TR(A)/XXVI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RS – 24 (I) Stock Cleaning Dust Collector (Stack – 48)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.30
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 4.57
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter with Cyclone Separator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 37.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 13.91	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 3370.31	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 12.80	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 25.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXVII	Report No.	: ENV/65/Aug./TR(A)/XXVII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: CBS Dust Collector (Stack – 50)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.60
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 5.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

### B. RESULT

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 9.36	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 9096.12	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 22.96	150.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXVIII	Report No.	: ENV/65/Aug./TR(A)/XXVIII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Finishing – 4 Electrode Line Dust Collector Stack (Stack – 51)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 17.5
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.95
Capacity	: 40,000 m <sup>3</sup> /hr.	Height of sampling port (mtr.) (from G.L.)	: 14.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter & Dual Cyclone Separator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 37.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 11.86	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 28835.15	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 15.91	30.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXIX	Report No.	: ENV/65/Aug./TR(A)/XXIX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Finishing – 4 – Nipple Line Dust Collector Stack (Stack – 52)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 17.5
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.85
Capacity	: 30,000 m <sup>3</sup> /hr.	Height of sampling port (mtr.) (from G.L.)	: 14.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 12.55	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 24518.40	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 15.34	30.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXX	Report No.	: ENV/65/Aug./TR(A)/XXX/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 24 III, E.S.P Stack (Stack – 53)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 45.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.60
Capacity	: 80 MT/Charge	Height of sampling port (mtr.) (from G.L.)	: 30.0
Emission Due to	: Combustion of CBM Gas & Baking of electrode & Nipple		
Fuel Used	: CBM	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 120 m <sup>3</sup> /hr.		
Pollution Control Device	: E.S.P		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 76.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 7.67	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 46253.59	N.A.
5.	Sulfur dioxide	mg/Nm <sup>3</sup>	IS 11255 (Part 2)	: 68.50	N.A.
6.	Oxides of Nitrogen	mg/Nm <sup>3</sup>	IS 11255 (Part 7)	: 49.20	N.A.
7.	Carbon dioxide by ORSAT App	%	IS 13270	: 3.6	N.A.
8.	Carbon Monoxide	%	IS 13270	: <1.0	1.0
9.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 26.50	30.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025-2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXI	Report No.	: ENV/65/Aug./TR(A)/XXXI/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 24 – III Jaw Crusher Dust Collector (Stack – 54)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 22.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.6
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 14.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Cyclone Separator & Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 11.46	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 11145.65	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 10.11	30.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXII	Report No.	: ENV/65/Aug./TR(A)/XXXII/25-26
Sample Testing Location	: Permanent Testing				

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: RH – 24 – III Stock Cleaning Machine Dust Collector (Stack – 55)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 22.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.50
Capacity	: --	Height of sampling port (mtr.) (from G.L.)	: 14.0
Emission Due to	: Process Activity		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS 11255 (Part 1)	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 1)	: 8.36	N.A.
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS 11255 (Part 1)	: 5664.42	N.A.
5.	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1)	: 19.76	30.0
Remarks	: Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. : N.A. means Not Available. : Result relates only to the sample tested.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 - 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025 – 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXIV	Report No.	: ENV/65/Aug./TR(A)/XXXXIV/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Near Personal Office (Graphite Old Plant) (West Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (11:10 a.m. – 11:10 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.5
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 69.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	46.20	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	71.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	12.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	18.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.36	2.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025 – 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXII	Report No.	: ENV/65/Aug./TR(A)/XXXXII/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Near Security Barrack (Old Plant) (North Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (09:30 a.m. – 09:30 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 31.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 78.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	40.20	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	68.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	16.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	20.0	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.20	2.0
<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 - 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling date	: 18.08.2025 - 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 - 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXI	Report No.	: ENV/65/Aug./TR(A)/XXXXI/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: At the East of LWG - 4 & 5 (East Side Near Boundary Wall - Old Plant)
2.	Duration of Sampling	: 24 hrs. (10:00 a.m. - 10:00 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 31.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 78.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	39.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	68.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	16.2	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	28.20	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.38	2.0
<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025 – 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXX	Report No.	: ENV/65/Aug./TR(A)/XXXXX/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Center Location (Old Graphite Plant) (West Side of Shipping Unit # 2)
2.	Duration of Sampling	: 24 hrs. (10:35 a.m. – 10:35 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 88.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	54.60	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	80.10	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	14.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	20.0	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.48	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	0.56	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	1.20	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	28.50	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0

**Remarks** : *Result relates only to the sample tested.*  
 : *Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.*

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABHET (CERTIFICATE NO. - NABHET/HIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025 – 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXVI	Report No.	: ENV/65/Aug./TR(A)/XXXXVI/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Near South Side of Tunnel Kiln (South Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (10:20 a.m. – 10:20 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.5
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 69.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	42.60	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	71.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	12.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	21.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.38	2.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABHET (CERTIFICATE NO. - NABHET/HIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 - 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling date	: 20.08.2025 - 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 - 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXVIII	Report No.	: ENV/65/Aug./TR(A)/XXXXVIII/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Near Baking Furnace RH # 16 Section (North Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (10:50 a.m. - 10:50 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 73.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	36.40	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	79.40	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	8.67	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	19.80	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.32	2.0

**Remarks** : *Result relates only to the sample tested.*  
 : *Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.*

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSFCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABHET (CERTIFICATE NO. - NABHET/HIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025 – 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXIX	Report No.	: ENV/65/Aug./TR(A)/XXXXIX/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Near RH # 24 (II) Section (South Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (10:15 a.m. – 10:15 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 73.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	36.20	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	67.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	16.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	22.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.26	2.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025 – 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXXI	Report No.	: ENV/65/Aug./TR(A)/XXXXXI/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Extrusion # 2 Campus (South Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (09:50 a.m. – 09:50 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 88.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	5380	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	81.20	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	11.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	21.60	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.20	2.0

**Remarks** : *Result relates only to the sample tested.*  
 : *Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.*

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025 – 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXXIV	Report No.	: ENV/65/Aug./TR(A)/XXXXXIV/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>		
1.	Location of Sampling	: Extrusion # 2 Campus (Centre Location) (Near Weigh Bridge)	
2.	Duration of Sampling	: 24 hrs. (10:20 a.m. – 10:20 a.m.)	

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 28.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 86.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	52.60	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	81.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	14.20	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	26.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.42	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	0.40	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	1.14	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	25.0	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0
<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ( 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 ( 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognized by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABIT (CERTIFICATE NO. - NABIT/HIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025 – 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXXIII	Report No.	: ENV/65/Aug./TR(A)/XXXXXIII/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Extrusion # 2 Campus (East Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (09:30 a.m. – 09:30 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 28.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 86.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	46.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	74.10	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	12.60	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	21.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.36	2.0

<b>Remarks</b>	: <i>Result relates only to the sample tested.</i>
	: <i>Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.</i>

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 21.08.2025 – 22.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXXI	Report No.	: ENV/65/Aug./TR(A)/XXXXXI/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Extrusion # 2 Campus (North Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (11:00 a.m. – 11:00 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 88.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	48.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	76.20	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	14.20	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	26.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.38	2.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 - 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 22.08.2025 – 23.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/AUG./A/XXXXXII	Report No.	: ENV/65/AUG./TR(A)/XXXXXII/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Extrusion # 2 Campus (West Side of Boundary Wall)
2.	Duration of Sampling	: 24 hrs. (09:00 a.m. – 09:00 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 28.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 86.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	41.20	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	78.50	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	11.50	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	20.0	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.42	2.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/HIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 18.08.2025 – 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/AUG./A/XXXXIII	Report No.	: ENV/65/AUG./TR(A)/XXXXIII/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Outside Boundary Wall of New Plant (North Side) (As per EC Condition 120 <sup>o</sup> Apart)
2.	Duration of Sampling	: 24 hrs. (09:40 a.m. – 09:40 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 31.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 78.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	38.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	64.80	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	16.20	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	24.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.38	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	0.46	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	1.10	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	23.50	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0

<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 - 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling date	: 18.08.2025 - 19.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 - 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXX	Report No.	: ENV/65/Aug./TR(A)/XXXX/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Outside Boundary Wall of Old Plant [Near RH # 24 (III) (North - East Side) (As per EC Condition 120° Apart)
2.	Duration of Sampling	: 24 hrs. (09:10 a.m. - 09:10 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 31.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 78.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	30.10	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	69.80	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	9.2	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	14.6	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.24	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	0.46	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	0.97	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	18.6	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0
<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABH (CERTIFICATE NO. - NABH/HA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 19.08.2025 – 20.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXV	Report No.	: ENV/65/Aug./TR(A)/XXXXV/25-26
Sample Testing Location	: Permanent Testing				

<b>A]</b>	<b>GENERAL INFORMATION</b>	
1.	Location of Sampling	: Outside Boundary Wall of Old Plant [Near Waste Water Recycling Plant] (South Side) (As per EC Condition 120° Apart)
2.	Duration of Sampling	: 24 hrs. (10:40 a.m. – 10:40 a.m.)

<b>B]</b>	<b>METEOROLOGICAL INFORMATION</b>	<b>UNIT</b>	<b>METHOD</b>	<b>OBSERVED VALUE</b>
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.5
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 69.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

<b>C]</b>	<b>RESULTS</b>				
<b>SL. NO.</b>	<b>PARAMETERS</b>	<b>UNIT</b>	<b>METHOD NO.</b>	<b>RESULTS</b>	<b>LIMIT</b>
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	38.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	63.80	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	9.20	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	16.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.26	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	0.42	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	<0.74	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	20.0	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0
<b>Remarks</b>	: Result relates only to the sample tested. : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18 <sup>th</sup> November, 2009.				

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001: 2018



## TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. – Sagarbhanga, Durgapur, Pin – 713211	Sampling date	: 20.08.2025 – 21.08.2025		
		Date of received	: 27.08.2025		
		Date (s) of analysis	: 27.08.2025 – 27.08.2025		
		Date of Issue	: 29.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/02	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/65/Aug./A/XXXXVII	Report No.	: ENV/65/Aug./TR(A)/XXXXVII/25-26
Sample Testing Location	: Permanent Testing				

A]	GENERAL INFORMATION	
1.	Location of Sampling	: Centre Location (On the Roof of Water Reservoir) (As per EC Condition 120 <sup>o</sup> Apart)
2.	Duration of Sampling	: 24 hrs. (10:55 a.m. – 10:55 a.m.)

B]	METEOROLOGICAL INFORMATION	UNIT	METHOD	OBSERVED VALUE
1.	Temperature	°C	ASTM E 337-02 : Sec.11, Vol. 11.07	: 29.0
2.	Humidity	%	ASTM E 337-02 : Sec.11, Vol. 11.07	: 73.0
3.	Rainfall	mm	IS : 5235 & Specification of Surface Meteorological Instrument, IMD, GOI	: <0.2

C]	RESULTS				
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Fine Particulate Matter (Size less than 2.5 µm) of PM2.5	µg/m <sup>3</sup>	IS 5182 (Part 24)	56.50	60.0
2.	Respirable Suspended Particulate Matter (Size less than 10 µm) of PM10	µg/m <sup>3</sup>	IS 5182 (PART 23)	80.2	100.0
3.	Sulfur Dioxide	µg/m <sup>3</sup>	IS 5182 Part 2, Sec.1	20.0	80.0
4.	Nitrogen dioxide	µg/m <sup>3</sup>	IS 5182 Part 6	24.50	80.0
5.	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 Part 10 (Non Dispersive Infrared Absorption Method)	0.56	2.0
6.	Lead as Pb	µg/m <sup>3</sup>	IS 5182 Part 22	<0.01	1.0
7.	Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 Part 12	<0.50	1.0
8.	Benzene	µg/m <sup>3</sup>	IS 5182 (Part 11) Method 1	<0.74	5.0
9.	Ozone	µg/m <sup>3</sup>	IS 5182 Part IX	30.0	100.0
10.	Ammonia	µg/m <sup>3</sup>	IS 5182 Part 25	<4.18	400.0
11.	Nickel as Ni	ng/m <sup>3</sup>	USEPA IO 3.4	<0.02	20.0
12.	Arsenic as As	ng/m <sup>3</sup>	USEPA IO 3.4	<0.01	6.0

Remarks : Result relates only to the sample tested.  
 : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.

Reviewed By :

(Durbadal Chakraborty)  
(Dy. Quality Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

<End of Report>

H.O. : 63/B, Rastraguru Avenue, Kolkata – 700028 { 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata – 700028 { 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands

# **WORK ZONE AIR, NOISE LEVEL, ILLUMINATION & VENTILATION MONITORING REPORT OF**

## **M/s. GRAPHITE INDIA LTD.**

**Durgapur - 713 211, Dist. - Paschim Bardhaman, West Bengal**

**AUGUST - 2025**

**PREPARED BY:**

**INDICATIVE CONSULTANT INDIA**

H.P.L Link Road, Basudevpur, P.O.-Khanjanchak, Haldia,  
Dist. - Purba Medinipur, PIN - 721 602.

☎ (03224) 275765.

*Website: [www.indicativeconsultantindia.com](http://www.indicativeconsultantindia.com)*



INDICATIVE CONSULTANT INDIA

Name of the Factory	: M/s. GRAPHITE INDIA LTD. Durgapur -713211, Dist - Paschim Bardhaman, West Bengal
Date of Execution of Job	: 14.08.2025, 16.08.2025, 18.08.2025 to 23.08.2025 & 25.08.2025

1.0 Environment pollution is mostly the result of various human activities like industrial operation. Identification and quantification of air contaminants in the work zone area in accordance with the requirements of Factory Rules of the State under existing Factory Act is the first step towards control of the Work Zone Environment Pollution.

M/s. INDICATIVE CONSULTANT INDIA have been asked to carry out the survey of the WORK ZONE ENVIRONMENT for assessment of air borne Pollution in the form of inorganic dust and gases as well as NOISE, VENTILATION AND ILLUMINATION as per the provision of Sections 36, 7A, 13 & 17 of the Factories Act, 1948 Accordingly, the work zone monitoring, Noise, Ventilation and Illumination have been conducted with the use of Static and Portable monitoring instruments.

The general illumination over those interior parts where persons are regularly employed, shall be provide and maintained sufficient and suitable lighting natural and artificial both.

The entire field work was completed within the period of 14.08.2025, 16.08.2025, 18.08.2025 to 23.08.2025 & 25.08.2025. Result of Work Zone air monitoring have been reported in Form No.30 as per 13B(2) of the Factories Rules of the State, in Table No. 1 to 26 & Table No. 1 to 6, Noise Level Monitoring in Table No. 1 to 27, Ventilation Condition Testing in Table No. - 1 to 7 and of Illumination Level Testing in Table No. - 1.



**2.0 DISCUSSION:**

Result as indicated in Form No.30, which is annexed herewith, reveals the following facts.

**WORKZONE AIR RESULT**

- i) Results of inorganic dust and gases are based on the exposure of 8 hrs. and have been reported in terms of TWA (Time Weighted Average) and Air borne contaminants like inorganic dust and gases, organic fumes in the manufacturing area have been found to be within the Permissible Exposure Limit (PEL) (TABLE 1 to 26 & TABLE 1 to 6)

**NOISE LEVEL RESULT**

- i) Sound levels are well within limit at all measured locations. (TABLE 1 to 27)

**ILLUMINATION LEVEL MEASUREMENT RESULT**

- i) 100 % of the Illumination levels are within the norms. (TABLE 1)

**VENTILATION CONDITION MEASUREMENT RESULT**

- a) Volume of air change is ADEQUATE at all measured locations. (TABLE 1 to 7)
- b) Velocities of air inside the work places are ADEQUATE at all measured locations. (TABLE 1 to 7)
- c) Wet Bulb temperatures inside the work place are within limit at all measured locations. (TABLE 1 to 7)



### 3.0 ACKNOWLEDGEMENT:

- i) *Mr. Ranadeep Chakraborty (Sr. VP-Works)*
- ii) *Mr. Abhijit Mondal (AGM – HR & IR)*
- iii) *Mr. C. P. Dhanuka – (Sr. Manager Technical)*
- iv) *Mr. Sadananda Mukherjee – Dy. Manager (P&A)*
- v) *Mr. Suder Mohanta- Manager Safety*
- vi) *Mr. Pradip Roy Pratihar – Safety Officer*
- vii) *Security Officer & Staff*
- viii) *All Officers & Staff of M/s. Graphite India Ltd., Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal*

We acknowledge our sincere thanks and gratitude to the above persons for their co-operation and help to our sampling team during the survey work.

For, INDICATIVE CONSULTANT INDIA

  
Parhati Golei  
Authorized Signatory





**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevapur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**  
Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.  
1. Name of the Department/Plant : **Extrusion #1 Press FLOOR**  
2. Raw materials, by-products and finished products : *See Annexure-1*  
3. Particular of Sampling :

Ph. : 03224-275765  
Mob. - 94340 17584  
e-mail : jayantaxarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 1

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2nd Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	EXTRUSION #1 PRESS FLOOR	Suspended Particulate Matter	14.08.2025	See Annexure-1	3	1.269 1.299 1.257	1.275	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	T. SUTRADHAR
		Respirable Particulate Matter			3	0.528 0.574 0.549	0.550	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.019 0.022 0.015	0.019	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.039 0.048 0.036	0.041	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit.



For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Ghosh  
Authorized Signatory

# INDICATIVE CONSULTANT INDIA

HPI, Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob. - 94340 17584  
e-mail: joyantaskar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 2

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **Extrusion #2 Press FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-1*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	EXTRUSION #2 PRESS FLOOR	Suspended Particulate Matter	14.08.2025	See Annexure-1	3	1.225 1.258 1.269	1.251	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	T. SUTRAJHAR
		Respirable Particulate Matter			3	0.535 0.557 0.569	0.554	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.018 0.029 0.016	0.021	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.037 0.049 0.034	0.040	6.0		3	-	Below PEL		

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



*[Signature]*  
Parbati Ghosal  
Authorized Signatory

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

**Form No. - 30**

**Table No. - 3**

Ph.: 03224-273763  
Mob. - 94340 17584  
e-mail: jayantiasarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.  
1. Name of the Department/Plant : **EXTRUSION #2 14MT. FLOOR**  
2. Raw materials, by-products and finished products : *See Annexure-1*  
3. Particular of Sampling :

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2nd Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	EXTRUSION #2 14MT. FLOOR	Suspended Particulate Matter	14.08.2025		3	1.688 1.705 1.674	1.689	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	SUTRAD HAR
		Respirable Particulate Matter			3	0.836 0.827 0.849	0.837	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.020 0.028 0.019	0.022	5.0		3	-	Below PEL		
		Nitrogen Dioxide	3	0.038 0.047 0.034	0.040	6.0	3	-		Below PEL				
			09:30 AM to 05:30 PM	See Annexure-1										S. CHATTA RAI

\* PEL - Permissible Exposure Limit.

For, **INDICATIVE CONSULTANT INDIA**



Parbati Gollai

Authorizing Authority

P 3/26

# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : jayantaxarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 4

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **FINISHING UNIT # 4**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)	
					No. of sample	Range mg/M <sup>3</sup>	Avg mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	FINISHING UNIT # 4	Suspended Particulate Matter	18.08.2025	See Annexure-I	3	1.354 1.377 1.391	1.374	10.0	See Annexure-I	3	-	Below PEL	T. SUTRA DIAR	S. CHATTARAJ	
		Respirable Particulate Matter			3	0.814 0.822 0.769	0.802	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.016 0.029 0.012	0.019	5.0		3	-				Below PEL
		Nitrogen Dioxide			3	0.030 0.049 0.027	0.035	6.0		3	-				Below PEL

• PEL - Permissible Exposure Limit.

For: INDICATIVE CONSULTANT INDIA



P. 4/26

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : jayasankar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 5

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **BAKING RH 16 SHOP FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/N <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	BAKING RH 16 SHOP FLOOR	Suspended Particulate Matter	18.08.2025	See Annexure-I	3	2.415 2.457 2.423	2.432	10.0	See Annexure-I	3	-	Below PEL	<i>[Signature]</i>	T. SUTRADHA R.
		Respirable Particulate Matter			3	1.155 1.174 1.192	1.174	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.018 0.026 0.014	0.019	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.032 0.045 0.030	0.036	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Kharjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275763  
Mob. - 94340 17584  
e-mail : japuriasarkar07@gmail.com/  
indicative-consultantindia@gmail.com

Form No. - 30

Table No. - 6

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **BAKING RH 24 (I) SHOP FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	BAKING RH 24 (I) SHOP FLOOR	Suspended Particulate Matter	19.08.2025	See Annexure-I	3	2.425 2.436 2.412	2.424	10.0	See Annexure-I	3	-	Below PEL	<i>(Signature)</i>	SUTRADHAR
		Respirable Particulate Matter			3	1.278 1.289 1.256	1.274	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.020 0.032 0.018	0.023	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.031 0.043 0.029	0.034	6.0		3	-	Below PEL		
			09:10 AM to 05:10 PM											S CHATTA RAI

\* PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA



P/6/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevypur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob. - 94340 17584  
e-mail : jayantiasarkar07@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 7

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **BAKING TUNNEL KILN SHOP**
2. Raw materials, by-products and finished products : *See Annexure-1*
3. Particular of Sampling :

S. No	Location / Operations Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	BAKING TUNNEL KILN SHOP	Suspended Particulate Matter	19.08.2025	<i>See Annexure-1</i>	3	2.854 2.869 2.825	2.849	10.0	<i>See Annexure-1</i>	3	-	Below PEL	<i>Manoj Kumar</i>	S. SUTRA DHAR
		Respirable Particulate Matter			3	1.721 1.747 1.769	1.746	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.019 0.025 0.018	0.021	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.037 0.046 0.031	0.038	6.0		3	-	Below PEL		

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

*Parbati Ghosal*

Authorized Signatory

P/7/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275763  
Mob. - 94340 17584  
e-mail: japantasar-kar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 8

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **PITCH IMPREGNATION UNIT # 2 SHOP**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	PITCH IMPREGNATION UNIT # 2 SHOP	Suspended Particulate Matter	20.08.2025	See Annexure-I	3	3.147 3.169 3.123	3.146	10.0	See Annexure-I	3	-	Below PEL	<i>M. Kumar</i>	T. SUTRA DEBAR
		Respirable Particulate Matter			3	1.377 1.356 1.381	1.371	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.018 0.026 0.019	0.021	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.031 0.048 0.034	0.038	6.0		3	-	Below PEL		

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



Parbati Gouti

Authorized Signatory

P/8/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-00002228

Ph: 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantakar67@gmail.com/  
 indicativeconsultantindia@gmail.com


Form No. - 30

Table No. - 9

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **PITCH IMPREGNATION UNIT # 3 SHOP**
2. Raw materials, by-products and finished products : See Annexure-I
3. Particular of Sampling :

Sl No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Ave mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	PITCH IMPREGNATION UNIT # 3 SHOP	Suspended Particulate Matter	21.08.2025	See Annexure -I	3	2.277 2.295 2.263	2.278	10.0	See Annexure -I	3	-	Below PEL		T. SUTRADHAR
		Respirable Particulate Matter			3	1.134 1.167 1.143	1.148	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.019 0.028 0.016	0.021	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.032 0.047 0.026	0.035	6.0		3	-	Below PEL		

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gogoi

Authorized Signatory



P 9/26

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : jayamatar-kar67@gmail.com/  
indicativeconsultantindia@gmail.com

**Form No. - 30**

**Table No. - 10**

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **BAKING RH # 24 (III)**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	BAKING RH # 24 (III)	Suspended Particulate Matter	20.08.2025	<i>See Annexure-I</i>	3	2.321 2.347 2.362	2.343	10.0	<i>See Annexure-I</i>	3	-	Below PEL	<i>See Annexure-I</i>	T. SUTRA DHAR
		3			1.141 1.137 1.129	1.136	5.0	3		-	Below PEL			
		3			0.017 0.029 0.013	0.020	5.0	3		-	Below PEL			
		3			0.025 0.039 0.022	0.029	6.0	3		-	Below PEL			

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gola  
Authorized Signatory

P 10/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **LWG # 3 SHOP**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	<b>LWG # 3 SHOP</b>	Suspended Particulate Matter	22.08.2025	<i>See Annexure-I</i>	3	2.784 2.763 2.747	2.765	10.0	<i>See Annexure-I</i>	3	-	Below PEL	<i>[Signature]</i>	T. SUTRAJITH AR.
		Respirable Particulate Matter			3	1.239 1.257 1.274	1.257	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.015 0.029 0.014	0.019	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.027 0.036 0.032	0.032	6.0		3	-	Below PEL		

• PEL – Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goyal

Authorised Signatory



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Form No. - 30

Table No. - 12

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : jayantasarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **LWG # 4 SHOP**
2. Raw materials, by-products and finished products : *See Annexure-1*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No of sample	Range mg/M <sup>3</sup>	AVG mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	<b>LWG # 4 SHOP</b>	Suspended Particulate Matter	22.08.2025		3	2.207 2.226 2.211	2.215	10.0	<i>See Annexure-1</i>	3	-	Below PEL	<i>[Signature]</i>	T. SUTRA DHAR
		Respirable Particulate Matter			3	1.138 1.147 1.121	1.135	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.019 0.032 0.025	0.025	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.036 0.044 0.032	0.037	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA



*[Signature]*  
Purbati Debbari  
Authorized Signatory



P 12/26

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob. - 94340 17584  
e-mail: jaysantakar67@gmail.com/  
indicativeconsultantindia@gmail.com

**Form No. - 30****Table No. - 13**

Result of Analysis of: **M/s, GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant: **LWG # 5 SHOP**
2. Raw materials, by-products and finished products: *See Annexure-1*
3. Particular of Sampling:

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/m <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)	
					No. of sample	Range mg/m <sup>3</sup>	Avg. mg/m <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	LWG # 5 SHOP	Suspended Particulate Matter	22.08.2025	See Annexure-1	3	1.815 1.839 1.822	1.825	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	T. SUTRAJHI AIE	
		Respirable Particulate Matter			3	0.857 0.868 0.841	0.855	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.018 0.028 0.021	0.022	5.0		3	-				Below PEL
		Nitrogen Dioxide			3	0.034 0.048 0.032	0.038	6.0		3	-				Below PEL

• PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA



*[Signature]*  
Parbati Ghosal  
Authorized Signatory



P 13/26

# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanichak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Form No. - 30

Table No. - 14

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail: jayantiasar-kar67@gmail.com/  
indicativeconsultantindia@gmail.com

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **FINISHING # 1 SHOP FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Ave mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	FINISHING # 1 SHOP FLOOR	Suspended Particulate Matter	16.08.2025		3	2.474 2.424 2.456	2.451	10.0		3	-	Below PEL	<i>[Signature]</i>	T. SUTRA DEBAR
		Respirable Particulate Matter			3	1.236 1.257 1.224	1.239			3	-			
		Sulphur Dioxide	3	0.020 0.028 0.022	0.023	5.0	3	-	Below PEL	<i>[Signature]</i>	S. CHATTI ARAJ			
		Nitrogen Dioxide	3	0.030 0.043 0.031	0.035	6.0	3	-	Below PEL					

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



*[Signature]*  
Purbati Gupta  
Authorized Signatory



P 14/26

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Kharjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

**Form No. - 30**

**Table No. - 15**

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail: jayantastarkar67@gmail.com/  
indicative.consultantindia@gmail.com

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.  
1. Name of the Department/Plant : **FINISHING # 2 SHOP FLOOR**  
2. Raw materials, by-products and finished products : *See Annexure-1*  
3. Particular of Sampling :

Sl. No.	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in black letters)	
					No. of sample	Range mg/M <sup>3</sup>	Ave. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	<b>FINISHING # 2 SHOP FLOOR</b>	Suspended Particulate Matter	16.08.2025		3	2.535 2.547 2.529	2.537	10.0	<i>See Annexure-1</i>	3	-	Below PEL	<i>(Signature)</i>	T. SUTRA DHAR	
		Respirable Particulate Matter			3	1.529 1.536 1.541	1.535	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.020 0.027 0.018	0.022	5.0		3	-				Below PEL
		Nitrogen Dioxide	3	0.038 0.043 0.035	0.039	6.0	3	-		Below PEL					
			08:10 AM to 04:10 PM	<i>See Annexure-1</i>											

\* PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA



*(Signature)*  
Parbati Goliut  
Authorized Signatory



P 15/26

# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail: joyantasarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 16

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **FINISHING # 3 SHOP FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/m <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/m <sup>3</sup>	Avg. mg/m <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	<b>FINISHING # 3 SHOP FLOOR</b>	Suspended Particulate Matter	16.08.2025	<i>See Annexure-I</i>	3	3.115 3.175 3.157	3.149	10.0	<i>See Annexure-I</i>	3	-	Below PEL	<i>Pranab Kumar SUTRADHAR</i>	I. SUTRADHAR
		Respirable Particulate Matter			3	1.402 1.427 1.411	1.413	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.028 0.014	0.020	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.031 0.040 0.025	0.032	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



Parbati Golui  
Authorizing Laboratory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob: - 94340 17584  
e-mail: jayantiasorkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 17

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **GRAPHITE FINES SCREENING SHOP**
2. Raw materials, by-products and finished products : See Annexure-1
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)	
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	GRAPHITE FINES SCREENING SHOP	Suspended Particulate Matter	27.08.2025	See Annexure-1	3	3.362 3.387 3.352	3.367	10.0	See Annexure-1	3	-	Below PEL	[Signature]	T. SUTRA DHAR	
		Respirable Particulate Matter			3	1.804 1.816 1.785	1.802	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.025 0.041 0.027	0.031	5.0		3	-				Below PEL
		Nitrogen Dioxide			3	0.036 0.045 0.033	0.038	6.0		3	-				Below PEL

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gollai  
Authorized Signatory

P/17/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant: **CANTEEN (KITCHEN AREA)**
2. Raw materials, by-products and finished products: *See Annexure-I*
3. Particular of Sampling:

Form No. - 30

Table No. - 18

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail: jayantaxarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)	
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	CANTEEN (KITCHEN AREA)	Suspended Particulate Matter	23.08.2025	See Annexure -I	3	1.332 1.347 1.323	1.334	10.0	See Annexure -I	3	-	Below PEL	<i>[Signature]</i>	SUTRADHI AR	
		Respirable Particulate Matter			3	0.874 0.926 0.933	0.911	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.020 0.027 0.021	0.023	5.0		3	-				Below PEL
		Nitrogen Dioxide			3	0.033 0.047 0.030	0.037	6.0		3	-				Below PEL

\* PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Chelal

Authorized Signatory

P 18/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob. - 94340 17584  
e-mail : joyantakar67@gmail.com  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 19

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **RH - 24 (II)**
2. Raw materials, by-products and finished products : See *Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	RH - 24 (II)	Suspended Particulate Matter	19.08.2025	See <i>Annexure-I</i>	3	1.625 1.611 1.578	1.605	10.0	See <i>Annexure-I</i>	3	-	Below PEL	Tapan K. Ghosh	T. SUTRAJHI AR
		Respirable Particulate Matter			3	0.784 0.766 0.751	0.767	5.0		3	-	Below PEL		
		Sulphur Dioxide	3		0.021 0.034 0.026	0.027	5.0	3		-	Below PEL			
		Nitrogen Dioxide	3		0.024 0.042 0.030	0.032	6.0	3		-	Below PEL			

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Ghosal

Authorized Signatory

P 19/26



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjankhatak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : jayantakar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 20

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **PITCH IMPREGNATION UNIT # 4**
2. Raw materials, by-products and finished products : *See Annexure-1*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	PITCH IMPREGNATION UNIT # 4	Suspended Particulate Matter	21.08.2025		3	2.897 2.925 2.911	2.911	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	T. SUTRADHAR
		Respirable Particulate Matter			3	1.529 1.547 1.513	1.530	5.0		3	-	Below PEL		
		Sulphur Dioxide	3	0.018 0.027 0.015	0.020	5.0	3	-	Below PEL	<i>[Signature]</i>	S. CHATTARAJ			
		Nitrogen Dioxide	3	0.033 0.047 0.031	0.037	6.0	3	-	Below PEL					

• PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbat Gogul

Authorized Signatory

P 20/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
Mob. - 94340 17584  
e-mail: jayantarkar07@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 21

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

**1. Name of the Department/Plant: LWG UNIT # 4 AUTO DUST BAGGING AREA (DURING BAGGING)**

**2. Raw materials, by-products and finished products: See Annexure-1**

**3. Particular of Sampling:**

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/m <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/m <sup>3</sup>	Avg. mg/m <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	LWG UNIT # 4 AUTO DUST BAGGING AREA (DURING BAGGING)	Suspended Particulate Matter	23.08.2025	See Annexure-1	3	4.125 4.087 4.059	4.090	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	SUTR ADHA R
		Respirable Particulate Matter			3	1.887 1.896 1.927	1.903	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.018 0.032 0.022	0.024	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.034 0.044 0.037	0.038	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbhati Ghosal

Authorized Signatory

P 21/26



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Form No. - 30

Table No. - 22

Ph: - 03224-275765  
Mob. - 94340 17584  
e-mail: jayantastarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **STORE SHOP FLOOR**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)		
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure					
1.	STORE SHOP FLOOR	Suspended Particulate Matter	25.08.2025		3	3.357	3.374	10.0		3		Below PEL	<i>[Signature]</i>	T. SUTRADHAR		
		Respirable Particulate Matter				2.145									2.160	5.0
		Sulphur Dioxide				0.015									0.020	5.0
		Nitrogen Dioxide				0.030									0.032	6.0

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gokul

Authorized Signatory



P 22/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevypur, Khanjanchak  
 Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
 Mob - 94340 17584  
 e-mail : jayantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 23

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,****Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **MAINTANANCE SHOP FLOOR**2. Raw materials, by-products and finished products : *See Annexure-1*

3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)	
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure				
1.	MAINTANANCE SHOP FLOOR	Suspended Particulate Matter	25.08.2025	See Annexure-1	3	3.325 3.347 3.311	3.328	10.0	See Annexure-1	3	-	Below PEL	<i>[Signature]</i>	T. SUTRADHAR	
		Respirable Particulate Matter			3	1.514 1.487 1.502	1.501	5.0		3	-				Below PEL
		Sulphur Dioxide			3	0.015 0.028 0.012	0.018	5.0		3	-				Below PEL
		Nitrogen Dioxide			3	0.037 0.045 0.033	0.038	6.0		3	-				Below PEL
* PEL - Permissible Exposure Limit.															

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Ghosh

Authorized Signatory

P. 23/26



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph: 03224-275763  
Mob. - 94340 17584  
e-mail : jayantakar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30


Table No. - 24

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **LWG #5 AUTO DUST BAGGING AREA (DURING BAGGING)**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/m <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/m <sup>3</sup>	Avg. mg/m <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	LWG #5 AUTO DUST BAGGING AREA (DURING BAGGING)	Suspended Particulate Matter	23.08.2025	See Annexure-I	3	3.587 3.651 3.639	3.626	10.0	See Annexure-I	3	-	Below PEL		S. CHATTA RAJ
		Respirable Particulate Matter			3	2.302 2.314 2.287	2.301	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.019 0.032 0.021	0.024	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.038 0.042 0.037	0.039	6.0		3	-	Below PEL		

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gogoi  
Authorized Signatory

P 24/26





**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevypur, Khanjanchak  
 Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph: 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantavarun67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 25

Result of Analysis of : **M/s. GRAPHITE INDIA LTD.,**Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(e) of the Act.

1. Name of the Department/Plant : **GRAPHITE ACHESON SHOP**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/m <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continuous Exposure	Short term Exposure			
1.	GRAPHITE ACHESON SHOP	Suspended Particulate Matter	25.08.2025	See Annexure-I	3	3.457 3.484 3.463	3.468	10.0	See Annexure-I	3	-	Below PEL	<i>[Signature]</i>	T. SUTRADHAR
		Respirable Particulate Matter			3	1.914 1.905 1.879	1.899	5.0		3	-	Below PEL		
		Sulphur Dioxide			3	0.018 0.025 0.020	0.021	5.0		3	-	Below PEL		
		Nitrogen Dioxide			3	0.038 0.045 0.034	0.039	6.0		3	-	Below PEL		

• PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Purbati Gollai  
 Authorized Signatory

P.25/26



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.: 03224-275765  
Mob. - 94340 17584  
e-mail : joyantaskar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 26

Result of Analysis of: **M/s. GRAPHITE INDIA LTD.,**

Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Register Containing Particulars of monitoring of Work Environment required Under Section 7-A(2)(c) of the Act.

1. Name of the Department/Plant : **BAKING RH - 14 SHOP**
2. Raw materials, by-products and finished products : *See Annexure-I*
3. Particular of Sampling :

Sl. No	Location / Operation Monitoring	Identified Contaminant	Date & Time of Monitoring	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking Samples	Name (in block letters)
					No. of sample	Range mg/M <sup>3</sup>	Avg. mg/M <sup>3</sup>			Continous Exposure	Short term Exposure			
1.	BAKING RH - 14 SHOP	Suspended Particulate Matter	18.08.2025		3	4.025 4.111 3.987	4.041	10.0	See Annexure-I	3	-	Below PEL	<i>[Signature]</i>	SUTRA DHAR
		Respirable Particulate Matter			3	2.221 2.187 2.206	2.205	5.0		3	-			
		Sulphur Dioxide	3	0.019 0.023 0.018	0.020	5.0	3	-	Below PEL					
		Nitrogen Dioxide	3	0.037 0.043 0.035	0.038	6.0	3	-	Below PEL					

\* PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA



*[Signature]*  
Parbati Goyal  
Authorized Signatory



P.26/26

**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 1

Ph: 03224-275765

Mob. - 94340 17584



e-mail : jayantarkar67@gmail.com/indicativeconsultantindia@gmail.com

**M/s. GRAPHITE INDIA LTD.**

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **BAKING RH # 24 (III)**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act; 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
<b>BAKING RH # 24 (III)</b>	Methyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)	20.08.2025	<0.1	260	See Annexure-1	Below PEL		A BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)	<0.05	9	Below PEL				
	Benzene (as C <sub>6</sub> H <sub>6</sub> )	<0.05	20	Below PEL				
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	<0.05	375	Below PEL			S CHATTARAJ	

PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

  
 Parbhat Ghosh  
 Authorized Signatory



P 1/6



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Form No. - 30  
 Table No. - 2

Ph: 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantakar67@gmail.com/indicativeconsultantindia@gmail.com

**M/s. GRAPHITE INDIA LTD.**

Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **RIED HAMMER 24 (I) SECTION SHOP**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act : 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
<b>RIED HAMMER 24 (I) SECTION SHOP</b>	Methyl Alcohol (as CH <sub>3</sub> OH)	19.08.2025	<0.1	260	See Annexure-I	Below PEL		A. BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)		<0.05	9		Below PEL		
	Benzene (as C <sub>6</sub> H <sub>6</sub> )		<0.05	20		Below PEL		
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )		<0.05	375		Below PEL		

PEL – Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Parbati Gouj  
 Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

**Table No. - 3**

**Form No. - 30**

Ph. : 03224- 275765

Mob. - 94340 17584



e-mail : jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

**M/s. GRAPHITE INDIA LTD.**

**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **BAKING TUNNEL KILN SHOP**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act : 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
<b>BAKING TUNNEL KILN SHOP</b>	Methyl Alcohol (as CH <sub>3</sub> OH)	19.08.2025	<0.1	260	See Annexure-1	Below PEL		A BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)	<0.05	9	Below PEL			S. CHATTARAJ	
	Benzene (as C <sub>6</sub> H <sub>6</sub> )	<0.05	20	Below PEL				
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	<0.05	375	Below PEL				

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Chakraborty

Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

**Table No. - 4****Form No. - 30**

Ph. : 03224-275765  
 Mob. - 94340 17584



e-mail : [jayantaskar67@gmail.com](mailto:jayantaskar67@gmail.com) / [indicativeconsultantindia@gmail.com](mailto:indicativeconsultantindia@gmail.com)

**M/s. GRAPHITE INDIA LTD.**

**Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **P.I. UNIT - 2 SHOP**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act : 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
<b>P.I. UNIT - 2 SHOP</b>	Methyl Alcohol (as CH <sub>3</sub> OH)	20.08.2025	<0.1	260	See Annexure-1	Below PEL		A BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)	<0.05	9	Below PEL			S CHATTARAJ	
	Benzene (as C <sub>6</sub> H <sub>6</sub> )	<0.05	20	Below PEL				
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	<0.05	375	Below PEL				

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

  
 Parbati Colfer

Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 5

Ph: 03224-275763


Mob - 94340 17584

e-mail : [joyntasarkar67@gmail.com](mailto:joyntasarkar67@gmail.com) / [indicativeconsultantindia@gmail.com](http://indicativeconsultantindia@gmail.com)**M/s. GRAPHITE INDIA LTD.**

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **ACHESON FURNACE SHOP**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act-2nd Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
ACHESON FURNACE SHOP	Methyl Alcohol (as CH <sub>3</sub> OH)	25.08.2025	<0.1	260	See Annexure-1	Below PEL		A. BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)		<0.05	9		Below PEL		
	Benzene (as C <sub>6</sub> H <sub>6</sub> )		<0.05	20		Below PEL		
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )		<0.05	375		Below PEL		

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Ghosh

Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228  
 Form No. - 30  
 Table No. - 6  
 Ph: 03224-275765  
 Mob. - 94340 17584  
 e-mail: jayantakar67@gmail.com/indicativeconsultantindia@gmail.com

**M/s. GRAPHITE INDIA LTD.**

Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**RESULT OF WORK ZONE MONITORING:-**

1. Name of the Department/Plant: **LWG – 4 SHOP**
2. Raw materials, by-products and finished products: -
3. Particular of Sampling: - Respirable dust sampler

Location / Operation monitoring	Identified contaminants	Date & Time of Monitoring	Air Contaminants	TWA Concentration as given in Factory's Act : 2 <sup>nd</sup> Schedule (mg/M <sup>3</sup> )	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
<b>LWG - 4 SHOP</b>	Methyl Alcohol (as CH <sub>3</sub> OH)	22.08.2025	<0.1	260	See Annexure-I	Below PEL		A BHATTACHARYA
	Ethyl Alcohol (as C <sub>2</sub> H <sub>5</sub> OH)		<0.1	1900		Below PEL		
	Formic Acid (as HCOOH)	<0.05	9	Below PEL			S CHATTARAJ	
	Benzene (as C <sub>6</sub> H <sub>6</sub> )	<0.05	20	Below PEL				
	Toluene (as C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	<0.05	375	Below PEL				

PEL – Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golar  
 Authorized Signatory





**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanachak  
 Haldia; Purba Medinipur-721602.  
 MSME Reg. No.: WB-12-00002228

Ph - 03224-275765  
 Mob - 94340 17584  
 e-mail : joyantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com

**Form No. - 30****Table No. - 1**

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Distance from the Machine : 3.0 M

Height from the floor : 1.5 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						69.8	71.4	70.4	68.9	67.8	68.4	69.3	68.8							
1.	EXTRUSION #1 PRESS FLOOR	Noise level Monitoring	23.08.2025	10:10 AM	Annexure-1											Annexure-1	3	<i>[Signature]</i>	F. SUTRADHAR	
																		<i>[Signature]</i>	S. CHATTERJEE	

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbeel Ghosh  
 Authorized Signatory



P/177



**INDICATIVE CONSULTANT INDIA**

HPT, Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph. - 03224-275765  
Mob. - 94340 17584  
e-mail : jayantavarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 2

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	EXTRUSI ON #2 PRESS FLOOR	Noise level Monitoring	25.08.2025	03:55 PM	Annexure-1	84.6 83.8 83.9 84.2 84.3 83.6 84.1 83.8 83.9 84.0	84.0	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRAD HAR
												<i>[Signature]</i>	S. CHATTA RAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Gupta  
Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjamchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-00002228

Ph - 03224-275765  
Mob - 94340 17584  
e-mail : jayantastarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

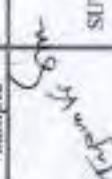

Form No. - 30

Table No. - 3

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	EXTRUSI ON #2 14 METER FLOOR	Noise level Monitoring	25.08.2025	04:15 PM	Annexure-1	83.8 84.4 85.2 83.9 84.1 83.6 84.1 85.4 83.6 84.4	84.3	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3		T. SUTRADH AR
													S. CHATTAR AJ

For, INDICATIVE CONSULTANT INDIA

  
Parbati Ghosal  
Authorized Signatory



P. 3/27



## INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph. - 03224-275765  
Mob. - 94340 17584  
e-mail : joyvontasarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

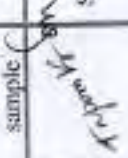

Form No. - 30

Table No. - 4

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING RH - 24 (III) SHOP FLOOR	Noise level Monitoring	23.08.2025	12:45 PM	Annexure-1	85.2 83.9 84.4 83.6 84.9 85.0 84.2 83.6 82.9 84.6	84.2	8 hrs.	Exposure Limit for Industries / workers (8 hrs.) = 90 dB(A)	Annexure-1	3		T. SUTRADHI AR
													S. CHATTAR AJ

For, INDICATIVE CONSULTANT INDIA

  
Parbati Gool  
Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevypur, Khasianchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
Mob. - 94340 17584  
e-mail - jayantasharkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 5

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING RH- 14 SECTION SHOP FLOOR	Noise level Monitoring	23.08.2025	10:45 AM	Annexure- I	83.6	84.4	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure- I	3	T. SUTRAD HAR	T. SUTRAD HAR
						84.4							
						85.1							
						83.6							
						84.2							
						84.1							
						85.4							
83.9													
84.6													
85.1													

For, INDICATIVE CONSULTANT INDIA

  
Purbati Golud  
Authorized Signatory



P. 5/7



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khurjanachak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph. - 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantavarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 6

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING RH-16 SHOP FLOOR	Noise level Monitoring	23.08.2025	11:20 AM	Annexure-1	84.2 83.6 84.9 85.4 86.2 83.8 84.4 85.1 84.4 85.0	84.7	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR
												<i>[Signature]</i>	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Ghosal  
 Authorized Signatory



P/6/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Kharjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
 Mob - 94340 17584  
 e-mail : jayantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 7

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING RH-24(D) SECTION SHOP FLOOR	Noise level Monitoring	23.08.2025	12:05 PM	Annexure-1	83.8	84.4	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3	<i>Tapan Kumar</i>	T. SUTRADHA
						84.6							
						84.9							
						85.2							
						84.6							
						83.6							
						84.1							
85.2													
83.6													
84.0													
												<i>8</i>	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

*Parbati Ghosal*  
 Parbati Ghosal  
 Authorized Signatory



P 7/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph- 03224-275765  
Mob. - 94340 17584  
e-mail : jayantaskarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 8

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING RH - 24 (II)	Noise level Monitoring	23.08.2025	02:05 PM	Annexure-1	84.6 83.8 83.9 85.6 85.2 83.8 84.5 84.1 83.1 84.6	84.3	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADH AR
												<i>[Signature]</i>	S. CHATTAR AJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Gollai  
Authorized Signatory



P.8/27





**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
 Mob. - 94340 17584  
 e-mail - jayantizorkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 9

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	BAKING TUNNEL, KILN SHOP	Noise level Monitoring	22.08.2025	04:20 PM	Annexure-1	86.1 84.9 83.8 84.5 85.6 84.9 85.4 83.9 84.6 85.4	84.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR
												<i>[Signature]</i>	S. CHATTA RAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Gogoi  
 Authorized Signatory



P.9/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
Mob. - 94340 17584  
e-mail : jayantasar-kar67@gmail.com/  
indicativeconsultantindia@gmail.com

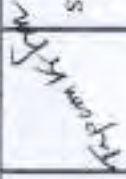

Form No. - 30

Table No. - 10

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	PITCH IMPREG NATION UNIT # 2 SHOP	Noise level Monitoring	22.08.2025	02:40 PM	Annexure-1	84.1	84.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3		T. SUTRAD HAR
						85.6							
						86.2							
						84.9							
						85.8							
						84.0							
						85.2							
						84.6							
						86.1							
84.9													
													S. CHAITA RAJ

For, INDICATIVE CONSULTANT INDIA

  
Purbati Ghosal  
Authorized Signatory



P 10/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Kharjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph.- 03224-275765  
Mob. - 94340 17584  
e-mail : jaysantarkar67@gmail.com/  
indicativeconsultantindia@gmail.com

Table No. - II

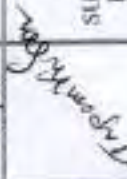
Form No. - 30

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**


Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	PITCH IMPREG NATION UNIT # 3 SHOP	Noise level Monitoring	22.08.2025	03:15 PM	Annexure-1	83.8	85.6	8 hrs.	Exposure Limit for Industrial Workers (8 hrs.) = 90 dB(A)	Annexure-1	3		T. SUTRAD HAR
						85.1							
						86.6							
						87.4							
						85.1							
						84.9							
						86.2							
						85.8							
84.9													
86.2													
													S. CHATTER JI

For, INDICATIVE CONSULTANT INDIA

  
Parbati Ghosh  
Authorized Signatory



P 11/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khunjanachak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
Mob - 94340 17584  
e-mail : joyantakar67@gmail.com/  
indicativeconsultantindia@gmail.com

**Form No. - 30****Table No. - 12**

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	PITCH IMPREG NATION UNIT # 4 SHOP	Noise level Monitoring	22.08.2025	03:40 PM	Annexure-1	87.2 86.9 85.4 84.4 85.8 83.9 85.8 86.6 85.9 84.8	85.7	8 hrs.	Exposure Limit for Industrial workers (8 hrs) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR
												<i>[Signature]</i>	S. CHAITTA RAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Ghosal  
Authorized Signatory



P 12/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khurjaanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph - 032224-275765  
 Mob. - 94340 17584  
 e-mail : joyantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com


Form No. - 30

Table No. - 13


Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)							
						Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters	
1.	LWG # 3 SHOP	Noise level Monitoring	22.08.2025	10:35 AM	Annexure-1	81.8	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3		T. SUTRADH AR	
						83.6							
						82.4							
						84.9							
						85.6							
						83.9							
						82.1							
						83.6							
84.1													
83.9													

For, INDICATIVE CONSULTANT INDIA

  
 Parbati Gohai  
 Authorized Signatory



P 13/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
 Mob - 94340 17584  
 e-mail : jayantasar-kar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 14

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	LWG # 4 SHOP	Noise level Monitoring	22.08.2025	10:50 AM	Annexure-1	82.4	82.9	8 hrs.	Exposure Limit for Industrial work-shops (8 hrs.) = 90 dB(A)	Annexure-1	3	T. SUTRADHAR	S. CHATTARAJ
						83.6							
						81.9							
						84.4							
						82.7							
						82.2							
						84.1							
						83.2							
81.4													
82.6													

For, INDICATIVE CONSULTANT INDIA

Parbati Gola  
 Authorized Signatory



P 14/27



# INDICATIVE CONSULTANT INDIA

HPL Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph - 03224-275765  
Mob. - 94340 17584  
e-mail : jayantaskar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 15

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	LWG # 5 SHOP	Noise level Monitoring	22.08.2025	11:05 AM	Annexure-1	82.8 83.8 85.6 82.8 83.9 84.1 85.4 85.3 82.9 83.6	84.0	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Golai  
Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanachak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-00000228

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantakar67@gmail.com/  
 indicativeconsultantindia@gmail.com

**Table No. - 16****Form No. - 30**

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						84.1	83.8	86.6	85.2	84.1	83.8	85.1	84.6							
1.	FINISHING # 1 SHOP FLOOR	Noise level Monitoring	22.08.2025	11:35 AM	Annexure-1									84.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR
																			<i>[Signature]</i>	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Ghosal  
 Authorized Signatory



P-16/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MISME Reg. No.: WB-12-0000228

Ph - 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantavarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 17

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	FINISHING #2 SHOP FLOOR	Noise level Monitoring	22.08.2025	12:15 PM	Annexure-1	85.3 84.6 83.9 84.4 85.6 84.8 85.1 83.8 84.6 85.0	84.7	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3	T. SUTRADHAR	S. CHATTA RAO

For, INDICATIVE CONSULTANT INDIA

*(Signature)*  
 Parbati Ghosh  
 Authorized Signatory



P 17/22



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph - 03224-273765  
 Mob. - 94340 17584  
 e-mail : jayantacarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 18

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**Address: **Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	FINISHING # 3 SHOP FLOOR	Noise level Monitoring	22.08.2025	12:50 PM	Annexure-1	83.9 82.8 84.4 85.1 84.6 84.9 83.6 84.4 85.2 83.8	84.3	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>(Signature)</i>	T. SUTRADHAR
												<i>(Signature)</i>	S. CHATTERJEE

For, INDICATIVE CONSULTANT INDIA

Parbati Ghosal

Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantasarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 19

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						81.9	83.4	82.8	84.1	83.6	82.9	83.0	81.8							
1.	GRAPHITE ACHESON SHOP	Noise level Monitoring	22.08.2025	05:00 PM	Annexure-1								82.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3	T. SUTRADHAR	S. CHATTA RAJ	

For, INDICATIVE CONSULTANT INDIA

*Parbati Goldt*  
 Authorized Signatory



P. 19/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purbia Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph. - 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantaxarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 20

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	GRAPHITE FINES SCREENING SHOP	Noise level Monitoring	22.08.2025	02:05 PM	Annexure-1	83.4	83.7	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRAD HAR
						82.8							
						81.9							
						84.6							
						85.1							
						83.9							
						84.6							
						83.8							
84.1													
83.0													
													S. CHATTA RAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Ghosh  
 Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia, Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph- 03224-273765  
Mob. - 94340 17584  
e-mail : jayantakar67@gmail.com/  
indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 21

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						82.4	81.9	83.6	82.2	81.4	83.4	80.4	79.3							
1.	CORE SAMPLE SHED	Noise level Monitoring	25.08.2025	02:50 PM	Annexure-1									81.8	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRADHAR
																			<i>[Signature]</i>	S. CHAITTA RAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parbati Gollai  
Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantasar-kar7@gmail.com/  
 indicativeconsultantindia@gmail.com

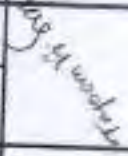

Form No. - 30

Table No. - 22

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)							Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						83.6	82.4	84.9	83.6	84.6	85.8	83.4							
1.	FINISHING UNIT # 4	Noise level Monitoring	25.08.2025	12:10 PM	Annexure-I								84.1	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-I	3	 Parbati Ghosal	T. SUTRA DHAR
																		 S. CHATTARAJ	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

  
 Parbati Ghosal  
 Authorized Signatory



P 22/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevypur, Khanjanachak  
 Halidia, Purba Medinipur-721602  
 MSME Reg. No.; WB-12-0000228

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantarkar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 23

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample.	Name in block letters
						77.2	75.1	76.2	74.4	75.0	76.2	75.2	74.8							
1.	SHIPPING # 2	Noise level Monitoring	25.08.2025	10:40 AM	Annexure-I								75.4	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-I	3	<i>[Signature]</i>	T. SUTRA DHAR	
																		<i>[Signature]</i>	S. CHATTARAJ	

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Gopur  
 Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

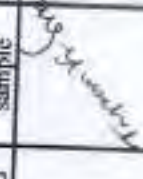

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantasankar67@gmail.com/  
 indicativeconsultantindia@gmail.com

**Form No. - 30****Table No. - 24**

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	SHIPPING # 4	Noise level Monitoring	25.08.2025	11:35 AM	Annexure-1	75.6	75.8	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3		T. SUTRADHAR
						76.2							
						74.6							
						75.9							
						77.4							
						76.1							
						74.2							
						75.6							
76.2													
75.8													
													S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

  
 Parbati Gohai  
 Authorized Signatory



P 24/27





**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
Haldia; Purba Medinipur-721602  
MSME Reg. No.: WB-12-0000228

Ph. - 03224-275765  
Mob. - 94340 17584  
e-mail : jayantaskar67@gmail.com/  
indicativeconsultantindia@gmail.com

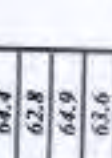

Form No. - 30

Table No. - 25


Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)								Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
						64.4	62.8	64.9	63.6	62.8	65.3	64.6	63.8							
1.	STORE	Noise level Monitoring	25.08.2025	12:45 PM	Annexure-1									64.1	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3		T. SUTRA DHAR
																				S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

  
Parbati Ghosh  
Authorized Signatory



P. 25/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak  
 Haldia; Purba Medinipur-721602  
 MSME Reg. No.: WB-12-00002238

Ph. - 03224-275765  
 Mob. - 94340 17584  
 e-mail : jeyantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com

**Form No. - 30****Table No. - 26**

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	MAINTENANCE	Noise level Monitoring	25.08.2025	02:10 PM	Annexure-1	66.1 65.8 64.9 64.6 65.4 67.2 64.8 65.4 64.6 65.1	65.4	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) - 90 dB(A)	Annexure-1	3	<i>[Signature]</i>	T. SUTRA DHAR
												<i>[Signature]</i>	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

Parbati Golai

Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanshak  
 Haldia, Purba Medinipur-721602  
 MSME Reg. No.: WB-12-0000228

Ph- 03224-275765  
 Mob. - 94340 17584  
 e-mail : jayantaskar67@gmail.com/  
 indicativeconsultantindia@gmail.com

Form No. - 30

Table No. - 27

Result of Analysis: **M/s. GRAPHITE INDIA LTD.,**  
**Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal**

Height from the floor : 1.5 M

Distance from the Machine : 3.0 M

Sl. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
1.	SHIPPING # 1	Noise level Monitoring	25.08.2025	10:15 AM	Annexure-1	76.2 74.9 75.3 73.8 74.6 75.2 73.6 74.9 74.6 76.0	74.9	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 99 dB(A)	Annexure-1	3	<i>[Signature]</i>	Y. SUTRA DHAR
												<i>[Signature]</i>	S. CHATTARAJ

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Ghosh  
 Authorized Signatory



P 27/27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khuntiachak  
Haldia, Purba Medinipur - 721 602  
MSME Reg. No.: WB-12-0002278  
**M/S. GRAPHITE INDIA LTD.**

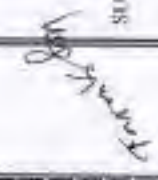
Address: Dist - Paschim Bardhaman, Durgapur, PIN - 713 211, (West Bengal)  
Result of Analysis :-

Register Containing Particulars of *Testing of Illumination Level.*

Form No. - 20

Table No. - 1

Ph. - 03224-275763  
Mob. - 94340 17584  
e-mail : jayanta@kum67@gmail.com  
indicativeconsultantindia@gmail.com

Sl. No.	Name of Locations	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Reference Method	Illumination Level in Lux	Limit Lux	Remarks	Signature	Name
1	EXTRUSION #1 PRESS WORKING AREA	Illumination	22.08.2025  6:20 PM to 8:50 PM	Digital Lux Meter	By Digital Lux Meter	99	65	Adequate		S. CHATTARAJ
2	SHIPPING #1 WORKING AREA					258	65	Adequate		
3	EXTRUSION #2 PRESS WORKING AREA					114	65	Adequate		
4	EXTRUSION #2 14 MTR. WORKING AREA					142	65	Adequate		
5	REID HAMMER BAKING-14 WORKING AREA					122	65	Adequate		
6	REID HAMMER BAKING-16 WORKING AREA					148	65	Adequate		
7	REID HAMMER BAKING-24 (D) WORKING AREA					96	65	Adequate		
8	REID HAMMER BAKING-24 (H) WORKING AREA					189	65	Adequate		
9	REID HAMMER BAKING-24 (H) WORKING AREA					172	65	Adequate		
10	BAKING TUNNEL KIEN WORKING AREA					211	65	Adequate		
11	PITCH IMPREGNATION UNIT #2 WORKING AREA					349	65	Adequate		
12	PITCH IMPREGNATION UNIT #3 WORKING AREA					402	65	Adequate		
13	PITCH IMPREGNATION UNIT #4 WORKING AREA					119	65	Adequate		
14	WAG #3 WORKING AREA					345	65	Adequate		
15	WAG #4 WORKING AREA					142	65	Adequate		
16	WAG #5 WORKING AREA					118	65	Adequate		
17	GRAPHITE ACHESSON WORKING AREA					325	65	Adequate		
18	FINISHING #1 WORKING AREA					356	65	Adequate		
19	FINISHING #2 WORKING AREA					371	65	Adequate		
20	FINISHING #3 WORKING AREA					402	65	Adequate		
21	FINISHING #4 WORKING AREA					321	65	Adequate		
22	MAINTENANCE DEPARTMENT					398	65	Adequate		
23	MAIN STORE AREA					156	65	Adequate		
24	CANTEEN					219	65	Adequate		
25	NEAR MAIN GATE					245	65	Adequate		
26	LABORATORY					156	65	Adequate		
27	SHIPPING #2 WORKING AREA					405	65	Adequate		
28	SHIPPING #4 WORKING AREA					118	65	Adequate		
29	BSR SHEED (1)					175	65	Adequate		
30	BSR SHEED (2)					136	65	Adequate		
31	BY PRODUCT SHED					151	65	Adequate		
32	COKE SHED (NEAR DUMP YARD)									

Note: As per Factories Rules, 1958: Rule No R.31 (prescribed under sub section (4) of section 17)



Parbat Chatteraj  
Authorized Signatory

**INDICATIVE CONSULTANT INDIA**

INDIA HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602

HPL Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.**

Regional Office Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Add

Name of Department/Plant: **EXTRUSION #2 PRESS FLOOR**

Name

Table No. - 1

Ambient Temperature	Dry Bulb	Wet Bulb
On 21.08.2025	31.0°C	26.0°C
Ambient Air flow - 48 m/min SW to NE		

Sl. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Dry/Wet bulb Temperature at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	21.08.2025		18048.6 m <sup>3</sup> x 6 = 1,08,291.6 m <sup>3</sup>	7,81,667.1 m <sup>3</sup>	-	-	Vol. of Air change/hr > 6 x Vol. Of work place		Adequate	<i>[Signature]</i>	A. BHAI TA CHAR YA
2.	Inside Work Place	Velocity of Air at work place		Annexure-1	-	-	36 m/min at middle of the plant	-	30 m/min at work place at 1.5 M height	Annexure-1	Adequate	<i>[Signature]</i>	S. CHAT TARAJ
3.	Inside Work Place At middle of the plant	Temperature at work place	10:30 AM to 12:05 PM		-	-	-	Dry Bulb 30.0°C Wet Bulb 25.0°C	Wet Bulb less than 30° C		Adequate	<i>[Signature]</i>	

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
Parvati Ghosal  
Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602



Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.,**

Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Table No. - 2

Ambient Temperature	Dry Bulb	Wet Bulb
On 20.08.2025	30.0°C	25.0°C
Ambient Air flow – 72 m/min S to N		

**Name of Department/Plant: BAKING RH - 16 SHOP FLOOR**

Sl No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Dry/Wet bulb Temperature at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	20.08.2025		46832.32 m <sup>3</sup> X 6 = 2,80,993.92 m <sup>3</sup>	3,30,664.7 m <sup>3</sup>	-	-	Vol. of Air change/hr >6 x Vol. Of work place		Adequate		A. BHATTA CHARVA
2.	Inside Work Place	Velocity of Air at work place		Annexure - I	-	-	36 m/min - at LHS of furnace 36 m/min - at RHS of furnace 30 m/min - at the middle	-	30 m/min at work place at 1.5 M height	Annexure - I	Adequate		
3.	Inside Work Place At middle of the plant	Temperature at work place	10:10 AM to 11:30 AM		-	-	-	Dry Bulb 34.0°C Wet Bulb 28.0°C	Wet Bulb less than 30° C		Adequate		S. CHATTA RAI

For, INDICATIVE CONSULTANT INDIA

Parbati Ghosal  
Authorized Signatory



P.27



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602  
 Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.,**  
 Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**Table No. - 3**

<b>Ambient Temp.</b>	<b>Dry Bulb</b>	<b>Wet Bulb</b>
On 19.08.2025	31.0°C	26.0°C
Ambient Air flow – 60 m/min SW to NE		

**Name of Department/Plant: PITCH IMPREGNATION UNIT # 3**

Sl. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Dry/Wet bulb Temperature at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	19.08.2025		9,853.56 m <sup>3</sup> X 6 = 59,121.36 m <sup>3</sup>	73,745.6 m <sup>3</sup>	-	-	Vol. of Air change/hr > 6 x Vol. Of work place		Adequate		A. BHATTACHARYA
2.	Inside Work Place	Velocity of Air at work place	10:45 AM to 12:05 PM	Anemometer /	-	-	30 m/min – at Entrance Gate 36 m/min – at Middle 30 m/min – at Back side Gate	-	30 m/min at work place at 1.5 M height	Anemometer /	Adequate		S. CHAITIA RAJ
3.	Inside Work Place At middle of the plant	Temperature at work place.			-	-	-	Dry Bulb 34.0°C Wet Bulb 28.0°C	Wet Bulb less than 30° C.		Adequate		

For, INDICATIVE CONSULTANT INDIA

Parbati Gopinath  
 Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, PurbaMedinipur-721 602

Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.,**  
Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Name of Department/Plant: **LWG # 3**

Table No. - 4

Ambient Temperature On 19.08.2025	Dry Bulb 34.0°C	Wet Bulb 28.0°C
Ambient Air flow - 72 m/min S to N		

Sl. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Dry/Wet bulb Temperature at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	19.08.2025		58176 m <sup>3</sup> x 6 = 3,49,056 m <sup>3</sup>	6,75,425.5 m <sup>3</sup>	-	-	Vol. of Air change/hr > 6 x Vol. Of work place		Adequate		A. BHATTACHARYA
2.	Inside Work Place	Velocity of Air at work place		Annexure-1	-	-	30 m/min - at entrance of 1 <sup>st</sup> Gate 36 m/min - at entrance of 2 <sup>nd</sup> Gate 36 m/min - at middle	-	30 m/min at work place at 1.5 M height	Annexure-1	Adequate Adequate Adequate Adequate		S. CHATTERJEE
3.	Inside Work Place At middle of the plant	Temperature at work place	02:15 PM to 03:30 PM		-	-	-	Dry Bulb 36.0°C Wet Bulb 28.0°C	Wet Bulb less than 30° C		Adequate		

For, INDICATIVE CONSULTANT INDIA







**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak; Haldia, PurbaMedinipur-721 602  
 Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.,**  
 Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

**Name of Department/Plant: FINISHING # 2**

**Table No. - 6**

<b>Ambient Temperature</b> On 18.08.2025	<b>Dry Bulb</b> 31.0°C	<b>Wet Bulb</b> 26.0°C
<b>Ambient Air flow – 54 m/min SW to NE</b>		

Sl. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6	Volume of Air change/Hr	Velocity of Air	Dry/Wet bulb Temp. at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	18.08.2025		24597.54 m <sup>3</sup> X 6 = 1,47,585.24 m <sup>3</sup>	1,55,621.3 m <sup>3</sup>	-	-	Vol. of Air change/hr > 6 x Vol. Of work place		Adequate	<i>[Signature]</i>	A BHATTA CHARYA
2.	Inside Work Place	Velocity of Air at work place	11:00 AM to 12:15 PM	Anemoxure-1	-	-	36 m/min - at entrance of 1 <sup>st</sup> Gate 30 m/min - at entrance of 2 <sup>nd</sup> Gate 36 m/min - at the middle	-	30 m/min at work place at 1.5 M height	Anemoxure-1	Adequate	<i>[Signature]</i>	B CHATTAR AJ
3.	Inside Work Place At middle of the plant	Temperature at work place			-	-	-	Dry Bulb 30.0°C Wet Bulb 25.0°C	Wet Bulb less than 30° C		Adequate	<i>[Signature]</i>	

For, INDICATIVE CONSULTANT INDIA

*[Signature]*  
 Parbati Gollui  
 Authorized Signatory



**INDICATIVE CONSULTANT INDIA**

HPL Link Road, Basudevpur, Khanjanchak, Haldia, PurbaMedinipur-721 602

Register Containing Particulars of Testing of Ventilation Condition of **M/s. GRAPHITE INDIA LTD.,**

Address: Dist – Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Name of Department/Plant: **R.H. # 24 (II)**

Table No. - 7

Ambient Temperature	Dry Bulb	Wet Bulb
On 20.08.2025	34.0°C	29.0°C
Ambient Air flow – 78 m/min S to N		

Sl. No	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Volume of Work Place X 6 m <sup>3</sup>	Volume of Air change/Hr m <sup>3</sup>	Velocity of Air	Dry/Wet bulb Temperature at work place	Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change	20.08.2025		98,344.81 m <sup>3</sup> X 6 = 5,90,068.86 m <sup>3</sup>	7,09,475.2 m <sup>3</sup>	-	-	Vol. of Air change/hr > 6 x Vol. Of work place		Adequate	<i>[Signature]</i>	A. BHATTACHARYA
2.	Inside Work Place	Velocity of Air at work place				Annexure-1	-	-	36 m/min - East Side of the Furnace 30 m/min - West Side of the Furnace 30 m/min - East Side of the Shed 30 m/min - West Side of the Shed 36 m/min - Middle of the Shed	-	30 m/min at work place at 1.5 M height	Annexure-1	Adequate Adequate Adequate Adequate Adequate
3.	Inside Work Place At middle of the plant	Temperature at work place	02:15 PM to 03:30 PM		-	-	-	Dry Bulb 36.0°C Wet Bulb 28.0°C	Wet Bulb less than 30° C		Adequate		



Parbati Gola  
Authorized Signatory

For, INDICATIVE CONSULTANT INDIA

## ANNEXURE - 1

1. **RAW MATERIAL** - *Calcined Petroleum Coke (CPC), Binder Pitch, Extrusion Oil*

2. **PRODUCT** - *Graphite Electrode & Nipple*

3. **BY-PRODUCT** - *Graphite Fines*

### 4. **METHOD OF ANALYSIS :**

- i) *Respirable Particulate Matter (RPM) ;  
Method of air sampling and analysis as per IS:5182(Part - IV) 1999.( RA 2019)*
- ii) *Suspended Particulate Matter (SPM)  
Method of air sampling and analysis as per IS:5182(Part - IV) 1999.(RA 2019)*
- iii) *Sulphur Dioxide (SO<sub>2</sub>) : As per IS:5182 (Part - II): 2001 (RA 2022)*
- iv) *Oxides of Nitrogen (NO<sub>x</sub>) : As per IS:5182 (Part - VI): 2006 (RA 2022)*
- v) *By Digital Lux Meter measurement was done as per IS :3646(Part - 1): 1992 (RA 2018)*
- vi) *Code of practice for industrial ventilation as per IS 3103: 1975 (RA 2018)*
- vii) *Code of practice for natural ventilation of residential buildings as per IS 3362: 1977 (RA 2018)*
- viii) *Noise level measurement was done as per IS 4758:1968 (RA 2017)*
- ix) *Factories Act, 1948*

### 5. **INSTRUMENTS USED:**

The following standard instruments utilized during the entire survey period and all the instruments are calibrated.

- i) *Respirable Dust Sampler with Gaseous Attachment*
- ii) *UV-Vis Double Beam Spectrophotometer.*
- iii) *Electronic Digital Balance*
- iv) *Hot Air Oven*
- v) *Desiccator*
- vi) *Digital Lux Meter*
- vii) *Digital Noise Level Meter*
- viii) *Hygrometer / Dry Bulb- Wet Bulb Temperature Indicator Meter*
- ix) *Digital Anemometer*
- x) *Measuring Tape*





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001: 2018



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 02.07.2025		
		Date of Received	: 03.07.2025		
		Date(s) of Analysis	: 03.07.2025 - 07.07.2025		
		Date of Issue	: 09.07.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/08/July/W/1
Report No.	: ENV/08/July/TR(W)/1/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.23
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	122.86
3.	Oil & Grease	IS 3025 Part 39	mg/l	12.6
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	2361.92
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	492.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	1.95
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	410.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
 b) Result relates only to the sample tested.

Reviewed By :

**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)**  
**(Quality Manager)**

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190,192,186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
 Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
 Overseas : • UAE • Qatar • Netherlands



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 02.07.2025		
		Date of Received	: 03.07.2025		
		Date(s) of Analysis	: 03.07.2025 - 07.07.2025		
		Date of Issue	: 09.07.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Outlet	Sample Condition	: Sealed	Sample ID No.	: ENV/08/July/W/II
Report No.	: ENV/08/July/TR(W)/II/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	6.83	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	42.0	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	5.33	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	67.76	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	20.0	30.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	0.49	1.0
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	92.0	N.A.

**Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.**

**c) Sample collected by Envirocheck and sent to lab for testing in sealed condition.**

**d) Result relates only to the sample tested.**

**e) N.A. means Not Available.**

Reviewed By :

**(Indrani Bhattacharyya)  
(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)  
(Quality Manager)**

<End of Report>



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 02.07.2025		
		Date of Received	: 03.07.2025		
		Date(s) of Analysis	: 03.07.2025 - 07.07.2025		
		Date of Issue	: 09.07.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Collected water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/07/July/W/I
Report No.	: ENV/07/July/TR(W)/I/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.82
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	32.67
3.	Oil & Grease	IS 3025 Part 39	mg/l	5.31
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	67.76
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	17.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
b) Result relates only to the sample tested.

Reviewed By :

**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)**  
**(Quality Manager)**



**FORMAT NO. ENV/FM/40**

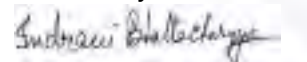
## TEST REPORT

Name of the Client	:	Graphite India Ltd.	Type of Industry	:	Graphite Unit			
Address	:	P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	:	02.07.2025			
			Date of Received	:	03.07.2025			
			Date(s) of Analysis	:	03.07.2025 - 07.07.2025			
			Date of Issue	:	09.07.2025			
Sampling Plan & Procedure	:	ENV/SOP/01/03	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Industrial Effluent Water (Grab)
Location	:	Collected Treated water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Outlet	Sample Condition	:	Sealed	Sample ID No.	:	ENV/07/July/W/II
Report No.	:	ENV/07/July/TR(W)/II/25-26	Testing Location	:	Permanent Testing			

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	6.74	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	26.0	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	4.50	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	55.0	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	14.0	30.0

**Remarks :** a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.  
b) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
c) Result relates only to the sample tested.

Reviewed By :

  
**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

  
**(Dr. Ajoy Paul)**  
**(Quality Manager)**

<End of Report>





# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001: 2018



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 05.08.2025		
		Date of Received	: 06.08.2025		
		Date(s) of Analysis	: 06.08.2025 - 11.08.2025		
		Date of Issue	: 13.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/11/Aug./W/I
Report No.	: ENV/11/Aug./TR(W)/I/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.23
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	128.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	14.74
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	1258.4
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	323.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	2.42
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	1680.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
b) Result relates only to the sample tested.

Reviewed By :

**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)**  
**(Quality Manager)**

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



FORMAT NO. ENV/FM/40

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 05.08.2025		
		Date of Received	: 06.08.2025		
		Date(s) of Analysis	: 06.08.2025 - 11.08.2025		
		Date of Issue	: 13.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Outlet	Sample Condition	: Sealed	Sample ID No.	: ENV/11/Aug./W/II
Report No.	: ENV/11/Aug./TR(W)/II/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	6.97	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	32.71	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	5.58	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	87.12	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	24.0	30.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	0.62	1.0
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	390.0	N.A.

Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

c) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

d) Result relates only to the sample tested.

e) N.A. means Not Available.

Reviewed By :

(Indrani Bhattacharyya)  
(Dy. Technical Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

<End of Report>



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & ISPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 05.08.2025		
		Date of Received	: 06.08.2025		
		Date(s) of Analysis	: 06.08.2025 - 09.08.2025		
		Date of Issue	: 11.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Collected water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/10/Aug./W/I
Report No.	: ENV/10/Aug./TR(W)/I/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.87
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	31.7
3.	Oil & Grease	IS 3025 Part 39	mg/l	5.4
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	77.44
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	20.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
b) Result relates only to the sample tested.

Reviewed By :

**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)**  
**(Quality Manager)**

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : \* Siliguri \* Haldia \* Durgapur \* Dhanbad \* Gangtok \* Port Blair \* Dehradun \* New Delhi  
Overseas : \* UAE \* Qatar \* Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & ISPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 05.08.2025		
		Date of Received	: 06.08.2025		
		Date(s) of Analysis	: 06.08.2025 - 09.08.2025		
		Date of Issue	: 11.08.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Collected Treated water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Outlet	Sample Condition	: Sealed	Sample ID No.	: ENV/10/Aug./W/II
Report No.	: ENV/10/Aug./TR(W)/II/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	6.91	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	21.8	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	4.5	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	58.08	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	17.0	30.0

**Remarks :** a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.  
b) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
c) Result relates only to the sample tested.

Reviewed By :

(Indrani Bhattacharyya)  
(Dy. Technical Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

<End of Report>

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 | 033-25792891/25497490, Fax : 033-25299141  
Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 | 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : \* Siliguri \* Haldia \* Durgapur \* Dhanbad \* Gangtok \* Port Blair \* Dehradun \* New Delhi  
Overseas : \* UAE \* Qatar \* Netherlands



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & SPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 04.09.2025		
		Date of Received	: 05.09.2025		
		Date(s) of Analysis	: 05.09.2025 - 08.09.2025		
		Date of Issue	: 10.09.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/06/Sep./W/1
Report No.	: ENV/06/Sep./TR(W)/I/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.46
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	122.22
3.	Oil & Grease	IS 3025 Part 39	mg/l	14.25
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	1862.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	625.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	2.75
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	380.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
b) Result relates only to the sample tested.

Reviewed By :

(Indrani Bhattacharyya)  
(Dy. Technical Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 [ 033-25792891/25497490, Fax : 033-25289141  
Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 [ 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi  
Overseas : • UAE • Qatar • Netherlands



FORMAT NO. ENV/FM/40

## TEST REPORT

Name of the Client	: Graphite India Ltd. (Extrusion - 2)	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 04.09.2025		
		Date of Received	: 05.09.2025		
		Date(s) of Analysis	: 05.09.2025 - 08.09.2025		
		Date of Issue	: 10.09.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: E.T.P Outlet	Sample Condition	: Sealed	Sample ID No.	: ENV/06/Sep./W/II
Report No.	: ENV/06/Sep./TR(W)/II/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	7.16	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	40.8	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	6.42	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	88.2	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	25.0	30.0
6.	Phenolic Compound	IS 3025 Part 43 Sec.1	mg/l	0.48	1.0
7.	Sulfate	IS 3025 Part 24 Sec.1	mg/l	110.0	N.A.

Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

c) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

d) Result relates only to the sample tested.

e) N.A. means Not Available.

Reviewed By :

(Indrani Bhattacharyya)  
(Dy. Technical Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

<End of Report>



**FORMAT NO. ENV/FM/40**

## TEST REPORT

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 04.09.2025		
		Date of Received	: 05.09.2025		
		Date(s) of Analysis	: 05.09.2025 - 08.09.2025		
		Date of Issue	: 10.09.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Collected water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Inlet	Sample Condition	: Sealed	Sample ID No.	: ENV/05/Sep./W/I
Report No.	: ENV/05/Sep./TR(W)/I/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	IS 3025 Part 11	-	6.36
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	98.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	12.4
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	1156.4
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	375.0

**Remarks :** a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
b) Result relates only to the sample tested.

Reviewed By :

**(Indrani Bhattacharyya)**  
**(Dy. Technical Manager)**

Authorised Signatory :

**(Dr. Ajoy Paul)**  
**(Quality Manager)**



# ENVIROCHECK

Recognised by MoEF & CC, WBPCB & ISPCB  
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/40

## TEST REPORT

Name of the Client	: Graphite India Ltd.	Type of Industry	: Graphite Unit		
Address	: P.O. - Sagarbhanga, Durgapur, Pin - 713211	Sampling Date	: 04.09.2025		
		Date of Received	: 05.09.2025		
		Date(s) of Analysis	: 05.09.2025 - 08.09.2025		
		Date of Issue	: 10.09.2025		
Sampling Plan & Procedure	: ENV/SOP/01/03	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Collected Treated water from Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old Weigh Bridge) - Outlet	Sample Condition	: Sealed	Sample ID No.	: ENV/05/Sep./W/II
Report No.	: ENV/05/Sep./TR(W)/II/25-26	Testing Location	: Permanent Testing		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	IS 3025 Part 11	-	7.13	5.5 - 9.0
2.	Total Suspended Solids	IS 3025 Part 17	mg/l	41.62	100.0
3.	Oil & Grease	IS 3025 Part 39	mg/l	6.4	10.0
4.	Chemical Oxygen Demand	IS 3025 Part 58	mg/l	58.8	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	IS 3025 Part 44	mg/l	19.0	30.0

Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.  
b) Sample collected by Envirocheck and sent to lab for testing in sealed condition.  
c) Result relates only to the sample tested.

Reviewed By :

(Indrani Bhattacharyya)  
(Dy. Technical Manager)

Authorised Signatory :

(Dr. Ajoy Paul)  
(Quality Manager)

<End of Report>

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 | 033-25792891/25497480, Fax : 033-25289141  
Laboratory : 189, 190, 192, 186 & 51 Rastraguru Avenue, Kolkata - 700028 | 033-25792889  
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in  
Branch Office : \* Siliguri \* Haldia \* Durgapur \* Dhanbad \* Gangtok \* Port Blair \* Dehradun \* New Delhi  
Overseas : \* UAE \* Qatar \* Netherlands





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



9001:2015



45001:2018

EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 10.10.2025	: Report No: ICI/HL/W/RN-1235A/2025	Format No: ICI/FM/H/67
Customer Name	: M/s. GRAPHITE INDIA LIMITED	Sample ID No : 2025/W-1235A
Address	: Durgapur, Dist. – Paschim Bardhaman, West Bengal, Pin-713211.	Sampling Date : 27.09.2025
#Customer Representative Name & Contact Number	: Sr. Manager-Technical	Sampling Time : 02:20 PM
		Sample Receiving Date : 03.10.2025
		Analysis Start Date : 03.10.2025
		Analysis complete Date : 09.10.2025
#Work Order No.	: DOM/4500327573 Dtd. 01.07.2025	
#Sample Description	: GROUND WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS 17614 (P-5):2021	
Name of the Sampler	: Mr. Tapan Kumar Sutradhar	
# Location	: NATUN TANTIPARA SAGARBHANGA TUBEWELL HAND PUMP	
Material Specification	: IS 10500: 2012 (RA 2023)	

Sl. No.	Parameters	Unit	Result	As Per IS 10500: 2012 (RA 2023)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>ORGANOLEPTIC AND PHYSICAL PARAMETERS</b>						
1.	pH (at 26°C)	-	7.00	6.5 to 8.5	No Relaxation	IS:3025(Part-11):2022
2.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):2023
3.	Total Dissolved Solid (TDS)	mg/L	366.0	500 (Max)	2000 (Max)	IS:3025(Part-16):2023
<b>GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS</b>						
4.	Total Hardness (as CaCO <sub>3</sub> )	mg/L	198.1	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019
5.	Chloride (as Cl)	mg/L	84.1	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019
6.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	180.9	200 (Max)	600 (Max)	IS:3025(Part-23):2023
7.	Iron (as Fe)	mg/L	0.24	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019
8.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008: RA 2019
9.	Residual Free Chlorine	mg/L	Nil	0.2 (Min)	1.0 (Min)	APHA 24 <sup>th</sup> Edition 4500Cl

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA



Page: 1 of 2



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 10.10.2025	: Report No: ICI/HL/W/RN-1235A/2025	Format No: ICI/FM/H/67
Customer Name	: M/s. GRAPHITE INDIA LIMITED	Sample ID No : 2025/W-1235A
Address	: Durgapur, Dist. – Paschim Bardhaman, West Bengal, Pin-713211.	Sampling Date : 27.09.2025
#Customer Representative Name & Contact Number	: Sr. Manager-Technical	Sampling Time : 02:20 PM
		Sample Receiving Date : 03.10.2025
		Analysis Start Date : 03.10.2025
		Analysis complete Date : 09.10.2025
#Work Order No.	: DOM/4500327573 Dtd. 01.07.2025	
#Sample Description	: GROUND WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS 17614 (P-5):2021 & IS 17614: Part 25: 2022	
Name of the Sampler	: Mr. Tapan Kumar Sutradhar	
# Location	: NATUN TANTIPARA SAGARBHANGA TUBEWELL HAND PUMP	
Material Specification	: IS 10500: 2012 (RA 2023)	

Sl. No.	Parameters	Unit	Result	As Per IS 10500: 2012 (RA 2023)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>PARAMETERS CONCERNING TOXIC SUBSTANCES</b>						
10.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 <sup>th</sup> Edition 3500As B
<b>BACTERIOLOGICAL PARAMETERS</b>						
11.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
12.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
<b>LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)</b>						
<b>Remarks: Chemical &amp; Bacteriological test Parameters: Compliance – The above-mentioned test parameters are within desirable limit (wherever applicable) as per specification IS 10500:2012 (RA 2023)</b>						

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note :
1. # Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India
  3. Sample submitted and identified by customer as: N.A.
  4. Test results shown in this test report relate only to the sample (s) only 'as received basis'.
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  6. The reproduction of the report except in full is invalid without written approval of the laboratory
  7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

Page 2 of 2

End of Report

Reviewed By: QM/TM



CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin-721602

Phone No. : 03324 275765 03324017584 0332305800 7707506073

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 10.10.2025	: Report No: ICI/HL/W/RN-1235B/2025	Format No: ICI/FM/H/67
Customer Name	: M/s. GRAPHITE INDIA LIMITED	Sample ID No : 2025/W-1235B
Address	: Durgapur, Dist. – Paschim Bardhaman, West Bengal, Pin-713211.	Sampling Date : 27.09.2025
#Customer Representative Name & Contact Number	: Sr. Manager-Technical	Sampling Time : 02:45 PM
		Sample Receiving Date : 03.10.2025
		Analysis Start Date : 03.10.2025
		Analysis complete Date : 09.10.2025
#Work Order No.	: DOM/4500327573 Dtd. 01.07.2025	
#Sample Description	: GROUND WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS 17614 (P-5):2021	
Name of the Sampler	: Mr. Tapan Kumar Sutradhar	
# Location	: SAGARBHANGA PUKUR PAR (HOUSING COLONY) TUBEWELL HAND PUMP	
Material Specification	: IS 10500: 2012 (RA 2023)	

Sl. No.	Parameters	Unit	Result	As Per IS 10500: 2012 (RA 2023)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>ORGANOLEPTIC AND PHYSICAL PARAMETERS</b>						
1.	pH (at 26°C)	-	6.94	6.5 to 8.5	No Relaxation	IS:3025(Part-11):2022
2.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):2023
3.	Total Dissolved Solid (TDS)	mg/L	478.0	500 (Max)	2000 (Max)	IS:3025(Part-16):2023
<b>GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS</b>						
4.	Total Hardness (as CaCO <sub>3</sub> )	mg/L	189.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019
5.	Chloride (as Cl)	mg/L	197.6	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019
6.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	190.4	200 (Max)	600 (Max)	IS:3025(Part-23):2023
7.	Iron (as Fe)	mg/L	0.22	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019
8.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008: RA 2019
9.	Residual Free Chlorine	mg/L	Nil	0.2 (Min)	1.0 (Min)	APHA 24 <sup>th</sup> Edition 4500Cl

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

  
 Parbati Golui  
 (Quality Manager)  
 Signatory Authority  
**Parbati Golui**  
 Quality Manager  
 INDICATIVE CONSULTANT INDIA

Page: 1 of 2





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

## TEST REPORT

Date: 10.10.2025	: Report No: ICI/HL/W/RN-1235B/2025	Format No: ICI/FM/H/67
Customer Name	: M/s. GRAPHITE INDIA LIMITED	Sample ID No : 2025/W-1235B
Address	: Durgapur, Dist. – Paschim Bardhaman, West Bengal, Pin-713211.	Sampling Date : 27.09.2025
#Customer Representative Name & Contact Number	: Sr. Manager-Technical	Sampling Time : 02:45 PM
		Sample Receiving Date : 03.10.2025
		Analysis Start Date : 03.10.2025
		Analysis complete Date : 09.10.2025
#Work Order No.	: DOM/4500327573 Dtd. 01.07.2025	
#Sample Description	: GROUND WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS 17614 (P-5):2021 & IS 17614: Part 25: 2022	
Name of the Sampler	: Mr. Tapan Kumar Sutradhar	
# Location	: SAGARBHANGA PUKUR PAR (HOUSING COLONY) TUBEWELL HAND PUMP	
Material Specification	: IS 10500: 2012 (RA 2023)	

Sl. No.	Parameters	Unit	Result	As Per IS 10500: 2012 (RA 2023)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>PARAMETERS CONCERNING TOXIC SUBSTANCES</b>						
10.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 <sup>th</sup> Edition 3500As B
<b>BACTERIOLOGICAL PARAMETERS</b>						
11.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
12.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
<b>LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)</b>						
<b>Remarks: Chemical &amp; Bacteriological test Parameters: Compliance – The above-mentioned test parameters are within desirable limit (wherever applicable) as per specification IS 10500:2012 (RA 2023)</b>						

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note :
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India
  - Sample submitted and identified by customer as: N.A.
  - Test results shown in this test report relate only to the sample (s) only 'as received basis'.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Haldia Laboratory

Page 2 of 2

End of Report



Reviewed By: QM/TM

## Annexure-5

### Air Pollution Control System



## Annexure-6

### Existing Rainwater Harvesting System



# Annexure-7

## Green Belt







Annexure-8

Health Checkup Photographs



# Training Photographs



# Annexure-9

## Parking Photographs



# Annexure-10

## ESIC Challan Apr25 to Sep25

The screenshot shows the ESIC portal interface. The header includes the ESIC logo and the text "ESIC Employees' State Insurance Corporation" and "Insurance". The user login is 74000071990000910, and the date is Thursday, December 11, 2025, 2:05:48 PM. The page title is "Monthly Contribution > Online Challan Status".

Transaction Details	
Transaction status:	Transaction Completed Successfully
Employer's Code No:	74000071990000910
Employer's Name:	GRAPHITE INDIA LTD
Challan Period:	Sep-2025
Challan Number :	07425137692331
Challan Created Date	09-10-2025 15:25:31
Challan Submitted Date	09-10-2025 15:25:59
Amount Paid:	816.00
Transaction Number:	FT510080810522

Buttons: Print, Close

DISCLAIMER: © Copyright 2021, ESIC, India. All Rights Reserved. Best viewed in 1024 x 768 pixels. Site maintained by : ESIC. IP Address : 53. Your IP Address is : 117.250.69.242

Note: - This is to inform you that up to **31st March 2025**, four of our officers were covered under our ESIC code. However, due to an enhancement in their salaries, they exceeded the ESIC wage ceiling with effect from **1st April 2025**. As a result, from April 2025 to July 2025, none of our employees fell within the ESIC coverage limit.

Subsequently, on **1st August 2025**, we recruited one officer who is eligible for ESIC coverage. We have duly submitted his ESIC contribution on **12th September 2025**. However, the ESIC payment challan has not yet been generated on the ESIC portal.

In view of the above, we request ESIC authority to generate the ESIC payment challan at the earliest.

The relevant letter is attached herewith for your reference.



## GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST.- BURDWAN  
E-MAIL : general\_dgp@graphiteindia.com

Date- 27.11.2025

To,  
The Deputy Director  
SRO Durgapur  
ESIC

**Sub: Request for Assistance in Generating ESIC Payment Challan for August 2025**


Dear Sir,

This is to inform you that we have paid the ESIC contribution for the month of **August 2025**, amounting to **Rs. 816 (Eight Hundred and Sixteen Only)**, on **12th September 2025**, against **Challan No. 07425135005354**. However, the payment challan is still not being generated on the ESIC portal. Our ESIC Code Number is **7400071990000910**. The amount has already been debited from our bank account.

We kindly request your assistance in resolving this issue and enabling the generation of the payment challan at the earliest. Your support in this matter will be highly appreciated. Our bank statement is attached herewith for your ready reference.



Yours faithfully,  
For GRAPHITE INDIA LTD

  
Avijit Mondal  
Asst. General Manager (HR & IR)

Registered Office : 31, Chowringhee Road, Kolkata - 700016  
CIN - L10101WB1974PLC094602  
PH. : +91-33-40029600, Fax : +91-33-40029676  
E-mail id : gllro@graphiteindia.com, Website : www.graphiteindia.com

## Annexure-11

### 20 KLD Kitchen Waste STP





Before:

After:



**GRAPHITE INDIA LIMITED**

DURGAPUR 713211, DIST- PASCHIM BURDWAN  
PHONE: 7718362431, 7719362437, FAX: 00431 2550985  
E-Mail: [info@graphiteindia.com](mailto:info@graphiteindia.com), [sales@graphiteindia.com](mailto:sales@graphiteindia.com)

Ref: GIL/NBA/02/25-26

Dated: 04.04.2025

To  
M/s. MAA ANNAPURNA CONSTRUCTION,  
HATTALA ROAD, ROAD- 92,  
DURGAPUR-713201,  
PASCHIM BURDWAN.  
Kind Attn.: Arpan Mondal  
(M)-9732226899

Sub: Manasa Mandir Development Work at Namo Sagarbhanga under Need Base Activities (Period: April 2025 to Sept. 2025)

Dear Sir,  
With reference to your offer no.: MAC/GI-02/2025 dated 02.04.2025, subsequent across-table discussion, negotiation etc. had with you on date and we are pleased to award the said job to you as per tentative BOQ along with unit price and cost mentioned below:

Job Description	Tentative Qty.	UOM	Unit Rate (Rs.)	Amount (Rs.)
Groove cutting	1,000	AU	2,200.00	2,200.00
Brick work	10,000	M3	6,250.00	62,500.00
Plaster work	170,000	M2	175.00	29,750.00
Total ceiling	40,000	M2	175.00	7,000.00
Dato works	12,000	M2	52.00	624.00
RCC roof	8,000	M3	5,500.00	44,000.00
Shuttering Work	7,000	M2	448.33	3,138.31
Reinforcement	600,000	KG	7.00	4,200.00
Shuttering work	45,000	M2	450.00	20,250.00

Total Basic Cost in Rs. 1,73,412.00

In Words: Rupees one lac seventy-three thousand four hundred and twelve only.

**Terms & Conditions:**

- Job Completion Schedule:** Nominated job shall be completed within the shortest possible time.
- Payment Terms:** Within 15 days after completion of nominated job entirely on actual measurement duly certified by GIL, subject to submission of Commercial Bill in least in triplicate along with other required documents / details like before & after photos, Geographical location, Information Display of the workplace, etc.
- All Safety Precautions, Statutory Formalities etc. shall be maintained by you as per latest Govt. Rules & Regulations.

**Note:** Above mentioned Quantities are tentative and indicative purpose at present. However, the P.O. shall be placed only after successful job completion duly certified by GIL, followed by rectifying the defect, if any, during observation period.

This Letter of Intent is being sent in duplicate through courier service. You are requested to sign second copy of the same and return to us as a token of your acceptance. In the meantime, scanned copy is also being sent through mail for your immediate reference.

Thanking You,

Yours faithfully,

For Graphite India Limited,

Siddhant Jain  
(Purchase Head)

Received  
04.04.2025

Page 1 of 1

Registered Office: 31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1974PLC094602,  
GST No.: 19AAACC0457C1Z4 Telephone No: 91 33 40029600 : Fax No: 91 33 40029676,  
Email Id : [gilro@graphiteindia.com](mailto:gilro@graphiteindia.com) Website : [www.graphiteindia.com](http://www.graphiteindia.com)

**MAA ANNAPURNA CONSTRUCTION**

Govt. Contractor & General Order Supplier  
Res. Address: Vill- Biharpur, Nadiha Durgapur-18, Burdwan  
Office: Hattala Road, Durgapur-1 Burdwan



E-mail:- [annapurnaconstruction.durgapur@gmail.com](mailto:annapurnaconstruction.durgapur@gmail.com) :: Ph. No.:- 9732226899 / 9475216310

Ref. No. MAC/bi-02/2025

Date: 22/09/2025

To  
Graphite India Limited  
Sagarbhanga, Durgapur-713211  
Name of work - Manasa Mandir Development Work at Namo Sagarbhanga  
Under Need Base Activities (Period - April 2025 to Sept. 2025)

Ref No. - GIL/NBA/02/25-26

Sir,  
I am hereby to inform you that on reference to the above LOI No. we have completed the above job. So please arrange to visit the job site and kindly approve.

*(Handwritten note in blue ink):*  
We have visited the site & informed you (contractor) regarding the job completion of the job. After proper verification, PO shall be placed based on actual measurement (Qty) & invoice shall be processed accordingly.  
26.09.25

MAA ANNAPURNA CONSTRUCTION LTD.  
Arpan Mondal  
Proprietor

3. Goalpark Development Work:





BEFORE



AFTER



Durgapur, West Bengal, India  
Golpark Kali Mandir, F8vm+648, Sagarbhanga  
West Bengal 713211, India  
Lat 23.49235° Long 87.333562°  
Friday, 12/12/2025 03:10 PM GMT +05:30

Durgapur, West Bengal, India  
Golpark Kali Mandir, F8vm+648, Sagarbhanga  
West Bengal 713211, India  
Lat 23.492356° Long 87.333576°  
Friday, 12/12/2025 03:10 PM GMT +05:30

**MAA ANNAPURNA CONSTRUCTION**  
 Govt. Contractor & General Order Supplier  
 Res. Address: Vill- Biharpur, Nadiha Durgapur-18, Burdwan  
 Office: Hattala Road, Durgapur-1 Burdwan  
 E-mail: annapurnaconstruction.durgapur@gmail.com :: Ph. No.- 9732226899 / 9475216310

Ref. No. MAC/61-03/2025 Date 22/09/2025

To  
 Graphite India Limited  
 Sagarbhangra, Durgapur-713211

Name of work - Goal Park Development (Work, Sagarbhangra, under Need Base Activities)  
Base Activities (Period - April 2025 to Sept. 2025)

Ref. No. - GIL/NSA/03/25-26

Sir,  
 I am hereby to inform you that on reference to the above LOI No. we have completed the above job. So please arrange to visit the job site and kindly approve.

*Handwritten note:*  
 We have visited the site & informed you (contractor) or representative of the job site. After proper verification, PO shall be placed accordingly. Invoice shall be provided accordingly. 26.09.25

MAA ANNAPURNA CONSTRUCTION LTD.  
*Sripamundal*  
 Proprietor

**GRAPHITE INDIA LIMITED**  
 FULHARIN 11211, DIST. PASCHIM BURDWAN  
 PIN CODE: 713024/31, 713023/37, FAX: (0343) 330096  
 E-Mail: \_\_\_\_\_

Ref.: GIL/NSA/03/25-26 Dated: 04.04.2025

To  
 MAA ANNAPURNA CONSTRUCTION,  
 HATTALA ROAD, ROAD NO. 32,  
 DURGAPUR-713201,  
 PASCHIM BURDWAN,  
 KINIG ADEL, Arera Mondal  
 (M)-9732226899

Sub: Goal Park Development Work, Sagarbhangra under Need Base Activities (Period: April 2025 to Sept. 2025)

Dear Sir,  
 With reference to your offer no. MAC/GI-03/2025 dated 02.04.2025, subsequent across-table discussion, negotiation etc. had with you on date and we are pleased to award the said job to you as per tentative BOQ along with unit price and cost mentioned below.

Job Description	Tentative Qty.	UCM	Unit Rate (Rs.)	Amount (Rs.)
Dismantling work	1.000	AU	500.00	500.00
Farm cutting	15.850	M3	3.70.00	2,858.50
Brick work	18.000	M3	5,600.00	98,800.00
Tie beam	1.000	M3	5,150.00	5,150.00
Filling Work	-	AU	1,490.38	3,490.38
Reinforcement work	233.00	KG	6.00	1,410.00
PCC work	1.500	M3	5,150.00	7,725.00
RCC Initial Work	2.00	M3	5,500.00	11,000.00
Plaster work	80.000	M2	1.70.00	13,600.00
Plaster works	81.000	M2	1.75.00	14,175.00
Staircase works	0.500	M3	5,800.00	2,900.00
Plaster -	1.100	M2	1.70.00	1,870.00
Brick works	3.000	M3	850.00	2,550.00
PCC Work	1.500	M3	5,200.00	7,800.00
<b>Total Basic Cost INR</b>			<b>Rs.</b>	<b>1,53,827.19</b>

In Words:  Rupees one lac fifty-three thousand nine hundred twenty-seven and sixteen thousand only.

Terms & Conditions:  
 1. **Job Completion Schedule:** Nominated job shall be completed within the shortest possible time.  
 2. **Payment Terms:** Within 15 days after completion of nominated job initially on actual measurement duly certified by GIL, subject to submission of Commercial Bill all bills in triplicate along with other required documents / details like before & after photos, Geographical location, Information Display of the work/area, etc.  
 3. All Safety Precautions, Statutory Formalities etc. shall be maintained by you as per latest Govt. Rules & Regulations.  
 Note: Above mentioned Quantities are tentative and indicative purpose at present. However, the P.O. shall be placed only after successful job completion duly certified by GIL, followed by rectifying the defect, if any, during observation period. The letter of intent is being sent in duplicate through courier service. You are requested to sign second copy of the same and return to us as a token of your acceptance. In the meanwhile, scanned copy is also being sent through mail for your immediate reference.

Thanking You,  
 Yours faithfully,  
 For Graphite India Limited,  
*Siddhant Jain*  
 (Purchase Head)

Page 1 of 1

Registered Office: 31 Chowringhee Road, Kolkata 700 016, CIN: L10401WB1974PLC0284022.  
 GST No.: 18AAADC0457CZ4 Telephone No: 91 33 40028600 | Fax No: 91 33 40028691,  
 Email id: info@graphiteindia.com Website: www.graphiteindia.com

### 4. CCTV Surveillance room modification work at coke oven police station

Before:



After:





# GRAPHITE INDIA LIMITED

DURGAPUR-713201, DIST-PASCHIM BARDHAMAN  
PHONE: 9332943175, 771980437, FAX: 0043 258686  
E-MAIL

Ref: GIL/NBA/04/25-26

Dated: 04.04.2025

To  
M/s. SUJOY SINGHA,  
SANJIB SARANI, DURGAPUR,  
DURGAPUR-713201,  
PASCHIM BARDWAN  
Kind Attn.: Sujoy Singha  
(M)-9332946175

Sub: Surveillance Room Modification Work under Need Base Activities (Period: April 2025 to Sept. 2025)

Dear Sir,  
With reference to your offer no. SS/GIL-01/2025 dated 02.04.2025, subsequent across-table discussion, negotiation etc. had with you on date and we are pleased to award the said job to you as per tentative BOQ along with unit price and cost mentioned below:

Job Description	Tentative Qty.	UOM	Unit Rate (Rs.)	Amount (Rs.)
Table UPVC (4FT X 2.5FT)	2.000	PC	15,500.00	31,000.00
Table UPVC (5FT X 2.5FT)	2.000	PC	20,000.00	40,000.00
Computer Table with Tray, Self.	1.000	PC	25,000.00	25,000.00
Drawer UPVC (6.5FT X 2.5 FT)	1.000	PC	8,000.00	8,000.00
Wall Display Cabinet-UPVC	60.000	FT <sup>2</sup>	950.00	57,000.00
Bunker Cover, UPVC (12FT X 5FT)	1.000	AU	19,000.00	19,000.00
File Cabinet for Office Room-UPVC	1.000	AU	19,000.00	19,000.00
<b>Total Basic Cost: Rs. 1,80,000.00</b>				

In Words: Rupees one lac eighty thousand only.

### Terms & Conditions:

- Job Completion Schedule:** Nominated job shall be completed within the shortest possible time.
- Payment Terms:** Within 15 days after completion of nominated job entirely on actual measurement duly certified by GIL, subject to submission of Commercial Bill at least in triplicate along with other required documents / details like before & after photos, Geographical location, Information Display of the workplaces, etc.
- All Safety Precautions, Statutory Formalities etc. shall be maintained by you as per latest Govt. Rules & Regulations.

**Note:** Above mentioned Quantities are tentative and indicative purpose at present. However, the P.O. shall be placed only after successful job completion duly certified by GIL, followed by rectifying the defect, if any, during observation period.

This Letter of Intent is being sent in duplicate through courier service. You are requested to sign second copy of the same and return to us as a token of your acceptance. In the meantime, scanned copy is also being sent through mail for your immediate reference.

Thanking You,

Yours faithfully,

For Graphite India Limited,

Siddhant Jain  
(Purchase Head)

*Received  
Sujoy Singha  
04-04-2025*

Page 1 of 1

Registered Office: 31 Chowringhee Road, Kolkata 700 016, CIN : L10101WB1974PLC094602,  
GST No: 19AAACC0457C1Z4 Telephone No: 91 33 40029600 | Fax No: 91 33 40029616,  
Email Id : gilro@graphiteindia.com Website : www.graphiteindia.com

## M/S SUJOY SINGHA

CIVIL CONTRACTOR & GENERAL ORDER SUPPLIER  
SANJIB SARANI, DURGAPUR 713201

PHONE NO: 9332943175

VENDOR CODE: 211870

Ref: SS/GIL-15/2025

DATE: 26.09.2025

TO  
THE GRAPHITE INDIA LIMITED  
DURGAPUR 713211

Sub- Job completion

Dear Sir,

With reference to your Letter of intent - ref - GIL/NBA/04/25-26 dated 04.04.2025, we have completed the nominated job successfully from our end. Now you are requested to visit the site and certify the completed job.

*We have visited the site & informed you Contractor. As job done by you. After proper rectification more measurement by GIL process should be accordingly. 26.09.25*

Thanking You

SUJOY SINGHA  
*Sujoy Singha*  
Proprietor

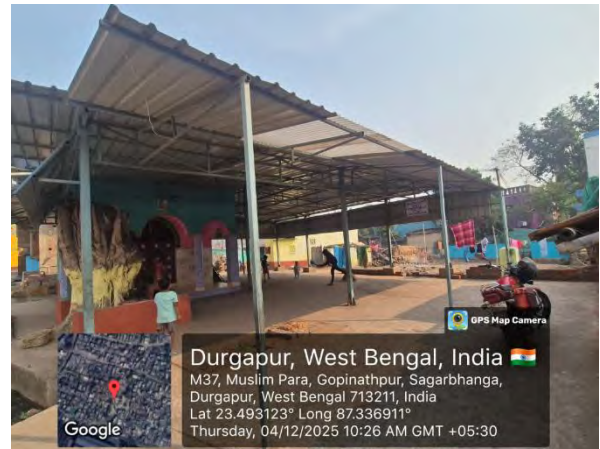
SANJIB SARANI, DURAGPUR- 713201, PASCHIM BARDHAMAN

## 5. Manasha Mandir at Gopinathpur

Before:



After:





GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST. PASCHIM BARDHAMAN
PHONE: 7719362431, 7719362437, FAX: 0343 2530889
E-MAIL: gilo@gilro.com

Ref.: GIL/NBA/05/25-26

Dated: 04.04.2025

To
M/s. SUJOY SINGHA,
SANJIB SARANI, DURGAPUR,
DURGAPUR-713201,
PASCHIM BARDWAN,
Kind Attn.: Sujoy Singha
(M)-9332948175

Sub: Manasa Mandir Development Work at Sagarbhanga under Need Base Activities (Period: April 2025 to Sept. 2025)

Dear Sir,
With reference to your offer no.: SS/GI-02/2025 dated 02.04.2025, subsequent across-table discussion, negotiation etc. had with you on date and we are pleased to award the said job to you as per tentative BOQ along with unit price and cost mentioned below:

Table with 5 columns: Job Description, Tentative Qty., UOM, Unit Rate (Rs.), Amount (Rs.). Rows include Cutting of existing Concrete, Earth Cutting, RCC Work, Base Plate Grouting Work, Brick Work, Cement Plastering, Neat Cementing, Reinforcement Work, Materials shifting work.

Total Basic Cost: Rs. 39,225.17

In Words: Thirty-nine thousand two hundred twenty-five and paise seventeen only.

Terms & Conditions:

- 1. Job Completion Schedule: Nominated job shall be completed within the shortest possible time.
2. Payment Terms: Within 15 days after completion of nominated job entirely on actual measurement duly certified by GIL, subject to submission of Commercial Bill at least in triplicate along with other required documents / details like before & after photos, Geographical location, Information Display of the workplace, etc.
3. All Safety Precautions, Statutory Formalities etc. shall be maintained by you as per latest Govt. Rules & Regulations.

Note: Above mentioned Quantities are tentative and indicative purpose at present. However, the P.O. shall be placed only after successful job completion duly certified by GIL, followed by rectifying the defect, if any, during observation period.

This Letter of Intent is being sent in duplicate through courier service. You are requested to sign second copy of the same and return to us as a token of your acceptance. In the meantime, scanned copy is also being sent through mail for your immediate reference.

Thanking You,
Yours faithfully,
For Graphite India Limited,

Siddhant Jain
(Purchase Head)

Page 1 of 1

Registered Office: 31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1974PLC004602,
GST No.: 19AAACC0457C1Z4 Telephone No: 91 33 40029600 : Fax No: 91 33 40029676,
Email Id : gilo@gilro.com Website : www.graphiteindia.com

M/S SUJOY SINGHA

CIVIL CONTRACTOR & GENERAL ORDER SUPPLIER
SANJIB SARANI, DURGAPUR 713201

PHONE NO: 9332943175

VENDOR CODE: 211870

DATE: 20.09.2025

Ref: SS/GIL-16/2025

TO
THE GRAPHITE INDIA LIMITED
DURGAPUR 713211

Sub: Job completion

Dear Sir,

With reference to your letter of intent

GIL/NBA/05/25-26 dated 04.04.2025, we have completed the nominated job successfully from our end.

Now you are requested to visit the site and certify the completed job.

Handwritten note: We have visited the site & inquired the contractor regarding the job completion. The job has been completed as per the P.O. and the site is ready for the next work. The P.O. shall be placed accordingly. 26/09/25

Thanking You

SUJOY SINGHA
(M)-9332948175

SANJIB SARANI, DURGAPUR- 713201, PASCHIM BARDHAMAN



GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST. PASCHIM BARDHAMAN
PHONE: 7719362431, 7719362437, FAX: (0343) 2530889
E-MAIL: gilo@gilro.com

Ref.: GIL/NBA/06/25-26

Dated: 04.04.2025

To
M/s. FRIENDS CONSTRUCTION,
GOPINATHPUR, DURGAPUR,
DURGAPUR-713211,
PASCHIM BARDWAN,
Kind Attn.: Mr. Rajkumar Roy
(M)-9832804896

Sub: Manasa Mandir Development Work at Sagarbhanga under Need Base Activities (Period: April 2025 to Sept. 2025)

Dear Sir,
With reference to your offer no.: FC/GI-01/2025 dated 02.04.2025, subsequent across-table discussion, negotiation etc. had with you on date and we are pleased to award the said job to you as per tentative BOQ along with unit price and cost mentioned below:

Table with 5 columns: Job Description, Tentative Qty., UOM, Unit Rate (Rs.), Amount (Rs.). Rows include Fabrication and Erection of LINTO Shed by making of Truss, Column, Purlin, Side Runner, Base Plate, Entrance Gate etc. including providing required MS Materials, Consumables, Painting etc. Fitting, Fixing of AC Sheet at top Roof, Ridge, Corner, Guard Wall etc.

Total Basic Cost in Rs. 2,00,000.00

In Words: Rupees two lac only.

Terms & Conditions:

- 1. Job Completion Schedule: Nominated job shall be completed within the shortest possible time.
2. Payment Terms: Within 15 days after completion of nominated job entirely on actual measurement duly certified by GIL, subject to submission of Commercial Bill at least in triplicate along with other required documents / details like before & after photos, Geographical location, Information Display of the workplace, etc.
3. All Safety Precautions, Statutory Formalities etc. shall be maintained by you as per latest Govt. Rules & Regulations.

Note: Above mentioned Quantities are tentative and indicative purpose at present. However, the P.O. shall be placed only after successful job completion duly certified by GIL, followed by rectifying the defect, if any, during observation period.

This Letter of Intent is being sent in duplicate through courier service. You are requested to sign second copy of the same and return to us as a token of your acceptance. In the meantime, scanned copy is also being sent through mail for your immediate reference.

Thanking You,
Yours faithfully,
For Graphite India Limited,

Siddhant Jain
(Purchase Head)

Page 1 of 1

Registered Office: 31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1974PLC004602,
GST No.: 19AAACC0457C1Z4 Telephone No: 91 33 40029600 : Fax No: 91 33 40029676,
Email Id : gilo@gilro.com Website : www.graphiteindia.com

V/COUR NO - 202504
S/TAX NO - 21/ST/MAH/FC/R-2/DOP/11/8005-00
GSTIN NO. - 19ACRPH0786G1ZK
PAN NO - 14CRPH0786G1Z

EMAIL - FRIENDS.CONSTRUCTION.GIL@GMAIL.COM

CONTACT NO. 9832804896

FRIENDS CONSTRUCTION

CONTRACTORS AND GENERAL ORDER SUPPLIERS
CIVIL, STRUCTURAL & MECHANICAL CONTRACTOR
GOPINATHPUR, DURGAPUR - 713211, DIST. BARDWAN

Ref No - GIL/NBA/06/25-26

To
The purchase manager
Graphite India Ltd
Durgapur - 11

[Sub: Job completion]

Respected Sir,
With reference to our offers No - FC/01/01/2025 dated - 02.04.2025, according to our letter of intent - with Ref NO - GIL/NBA/06/25-26.

We have completed the nominated job successfully from our end, Now you are requested to visit the site and certify the completed job.

Handwritten note: We have visited the site & inquired the contractor regarding the job completion. The job has been completed as per the P.O. and the site is ready for the next work. The P.O. shall be placed accordingly. 26/09/25

Thanking You

For M/s - Friends Construction

FRIENDS CONSTRUCTION
Rajkumar Roy

Authorised Signatory

## Need Based Activity done

Period: Apr25 - Sep 25

Expenses description given as per LOI. After rectification job Actual amount paid will be booked in the Allocated Need Based Activity

Sl no.	LOI description	Amount in Rs
1	Puja Ghat at sagarbhangha colony	167900
2	Maa Manasha Mandir at Namu Sagarbhangha	173412
3	Goalpark Development Work	153927
4	CCTV Surveillance room modification work at coke oven police station	180000
5i	Manasha Mandir at Gopinathpur	39225
5ii	Manasha Mandir at Gopinathpur	200000
<b>Total</b>		<b>914464</b>

Actual Expenses in Rs. (Lacs)					
No.	Need based Activities under CER (As per EC Requirement)	Actual Expenses in 23-24	Actual Expenses in 24- 25	Activity in 25-26 (Apr25-Mar26)	Actual Expenses in 25- 26
		(2023-24)	(2024-25)	(2025-26)	
1	Development of nearby roads of the unit.		0.00		
2	Organize health camps in nearby areas	0.84	0.86		
3	To develop Health Care facility in nearby areas		0.00		
4	To develop educational facility in nearby areas		0.00		
5	To Initiate scholarship in nearby schools	0.44	0.00		
6	Plantation programs in Nearby Areas	0.75	0.79		
7	Develop nearby Puja area shed or any other requirements arising in nearby areas	11.12	19.06	9.15000	-
	<b>Total</b>	<b>13.15</b>	<b>20.71</b>		<b>0.00</b>

## Annexure - 13



### GRAPHITE INDIA LIMITED

REGD. & H.Q. : 31, CHOWRINGHEE ROAD, KOLKATA - 700 016, W.B., INDIA  
PHONE : 31 33 4302 9601, 2226 5715 / 4942 / 4943 / 5547 / 2354, 2372 / 1188 / 1146  
FAX : 31 33 2268 6420, E-mail : [gi@graphiteindia.com](mailto:gi@graphiteindia.com)  
WEBSITE : [www.graphiteindia.com](http://www.graphiteindia.com), CIN : L10101WB1914PLJ284932

## **ENVIRONMENTAL POLICY**

Graphite India Limited is engaged in the manufacturing of carbon, graphite and other products. We believe that protecting environment is also an essential element of our operations. To achieve this including compliance within norms, use of sustainable resources, climate change mitigation and adaption and protection of biodiversity and ecosystems, company is committed to

- a) Minimising pollutants in air emissions, effluents, solid wastes and noise
- b) Upgrading technology level through continual improvement for prevention and reduction of pollution.
- c) Operating and maintaining the facilities so as to ensure compliance with all applicable legal and other obligations
- d) Determining the risk and opportunities related to its environmental aspects and compliance obligations
- e) While investing in new plant and equipment or technology, its environmental impact will be reckoned and appropriate provisions will be made for Energy efficiency.
- f) Setting environmental objectives and targets along with an Integral process of periodical review to target enhancement of environmental performance.
- g) Conserving raw materials, natural resources and energy by reducing consumption and wastes
- h) Maintaining the policy as a documented information and effectively communicating it to all persons working for or on behalf of company and making it available to all relevant interested parties on request.
- i) Responsibility in this regard lies with "Manager" in each of the locations.

DATE : 01.04.2020

  
A. DIXIT  
EXECUTIVE DIRECTOR

Annexure - 14

# CERTIFICATE

Management system as per  
**ISO 14001 : 2015**

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

**GRAPHITE INDIA LIMITED**  
Sagarbhanga, Durgapur - 713 211,  
West Bengal,  
India



operates a management system in accordance with the requirements of ISO 14001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

**Manufacture and Supply of Graphite and Carbon Products.**

Certificate Registration No. **44 104 14390299**  
Audit Report No. **2.5-2844/2000**

Valid from **05.09.2023**  
Valid until **27.08.2026**  
Initial certification **28.08.2014**



Certification Body  
at TÜV NORD CERT GmbH

Mumbai, **05.09.2023**

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

[www.tuev-nord-cert.com](http://www.tuev-nord-cert.com)

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India [www.tuv-nord.com/in](http://www.tuv-nord.com/in)



# CERTIFICATE

Management system as per  
**ISO 45001 : 2018**

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

**GRAPHITE INDIA LIMITED**  
**GE DIVISION**  
Sagarbhanga, Durgapur - 713 211,  
West Bengal,  
India



operates a management system in accordance with the requirements of ISO 45001 : 2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

**Manufacture and Dispatch of Graphite and Carbon Products.**

Certificate Registration No. 44 126 23394093  
Audit Report No. 2.5-11325/2023

Valid from 11.06.2023  
Valid until 10.06.2026  
Initial certification 11.06.2023



Certification Body  
at TÜV NORD CERT GmbH

Mumbai, 11.06.2023

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

[www.tuev-nord-cert.com](http://www.tuev-nord-cert.com)

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

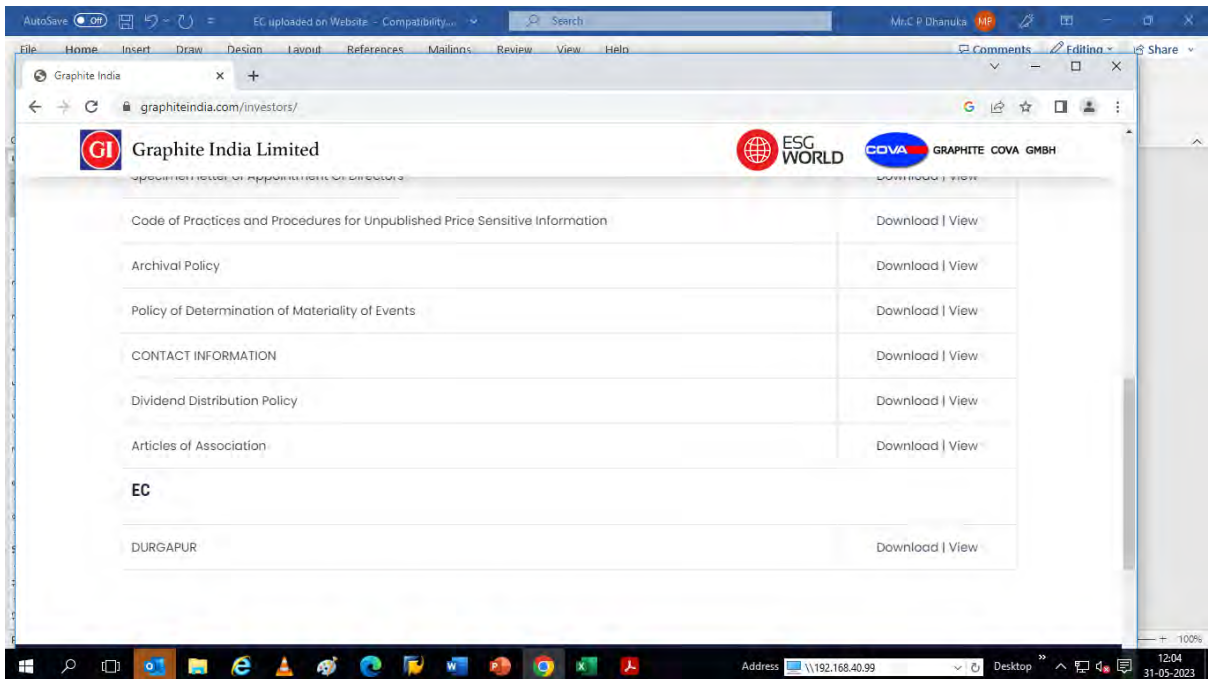
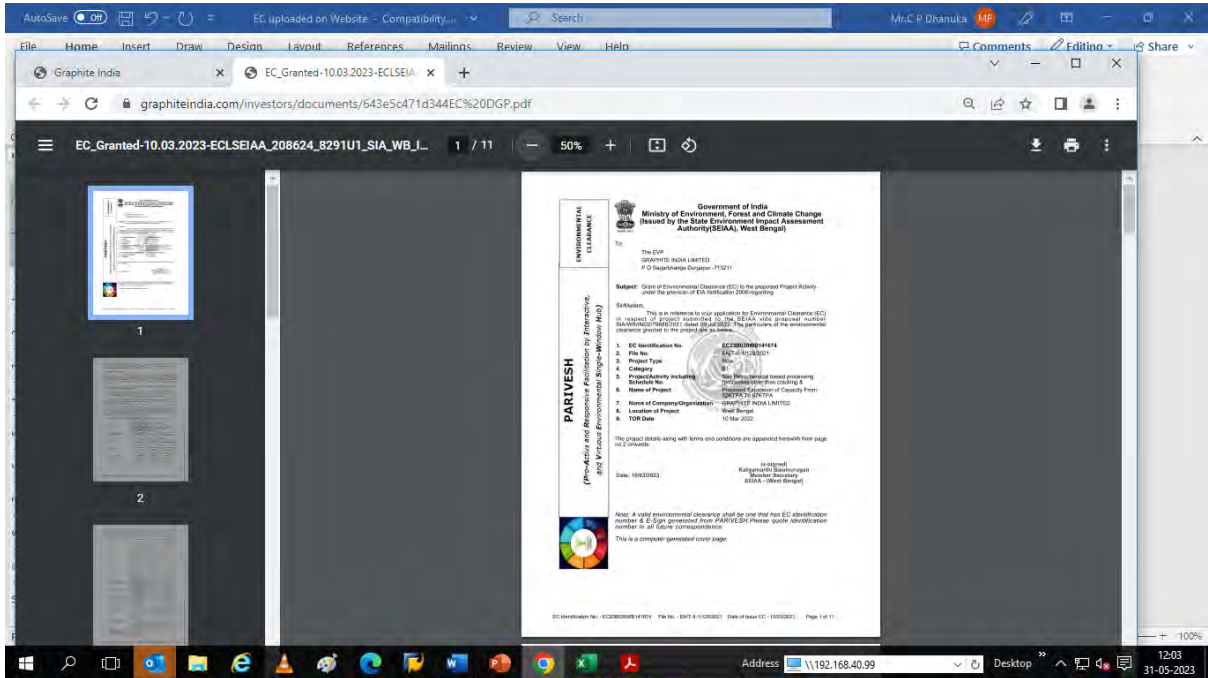




# Annexure-15

<https://graphiteindia.com/investors/documents/643e5c471d344EC%20DGP.pdf>

Link of EC uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below Corporate Governance



## NOTICE

This is for the information to all General Public, Bank and Financial Institution that my clients Biswajit Mazumder, S/o Late Badal Chandra

Mazumder, resident at, Alamganj, Mota Shiv Tala, P.O. Natunganj, within P.S. Burdwan, Dist- Purba Barddhaman & Asim Kumar Bardhan, S/o Late Anil Kumar Bardhan, resident at- Tejganj School Para, P.O.- Natunganj, within P.S.- Burdwan, Dist- Purba Barddhaman, do hereby declare that Original Chain Deed of Chain Deed (Sale) being No. 2651 dated 23.03.2006, registered A.D.S.R Burdwan in connection with the Schedule mentioned Property has been lost from my clients custody and one General Missing Diary have been lodged regarding loss of aforesaid Original Chain Deed of Chain Deed (Sale) before the I.C. Burdwan P.S., Purba Barddhaman, G.D. Entry No.: 1282 dated 13.03.2023. and as such If that the Original Chain Deed of Chain Deed (Sale) being No. 2651 dated 23.03.2006, registered A.D.S.R Burdwan is under Charge

Vivo V15Pro  
AI Triple Camera

Burdwan Municipality, ward No. 22, Mouza: Alamganj, J.L. No. 31, L.R. Khatian No. 3880 & 3976, R.S. Plot No. 203 & L.R. Plot No. 630, Class: Chira Mill, Area: 2880 Sq. Ft.

Kripa Sankar Mondal  
Advocate

District Judges Court,  
Burdwan Bar Association  
Room No. 07, (Rashbihari  
Kashya)

Phone No.: 8348761945/  
9064544734

20655-3481254

This is to inform the public that State Environment Impact Assessment Authority (SEIAA), West Bengal has issued Environmental Clearance to M/s Graphite India Limited, Sagarbhanga, Durgapur for Proposed Expansion of Capacity from 52KTPA to 67KTPA, Vide EC Identification No EC23B020WB141674 Dt: 10.03.2023 located at plots of Mouza Gopinathpur JL no. 85 & at plots of Mouza Nadia JL no. 92, District Paschim Burdhaman, West Bengal. The Environmental clearance issued by SEIAA is available on the official website of SEIAA, WB and the same is available with WBPCB.

M/s Graphite India  
Limited, Sagarbhanga,  
Durgapur-713211

13697-3481052

## নোটিস

এতদ্বারা জনসাধারণকে জানানো যাইতেছে যে স্টেট এনভায়রনমেন্ট ইমপ্যাক্ট অ্যাসেসমেন্ট অথরিটি (SEIAA), পশ্চিমবঙ্গ, মৌজা গোপিনাথপুর জেলা পশ্চিম বর্ধমান, পশ্চিমবঙ্গ JL নং ৮৫ এবং মৌজা নডিয়া JL নং ৯২ প্লটে অবস্থিত, মেসার্স গ্রাফাইট ইন্ডিয়া লিমিটেড, সাগরভাঙ্গা, দুর্গাপুর, EC আইডেন্টিফিকেশন নং ০১ ৩০২৪০৭৪০৪০৭ মোতাবেক KTPA-এর প্রস্তাবিত ৫২ KTPA থেকে ৬৭ KTPA ক্ষমতা সম্প্রসারণের জন্য পরিবেশগত ছাড়পত্র জারি করেছে ১০.৩.২০২৩ তারিখে। SEIAA দ্বারা জারি করা পরিবেশগত ছাড়পত্র SEIAA, পশ্চিমবঙ্গের অফিসিয়াল ওয়েবসাইটে এবং পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পার্সদ এর সাথে উপলব্ধ।

Vivo V15Pro  
AI Triple Camera  
সাগরভাঙ্গা,  
দুর্গাপুর-৭১৩২১১

# Annexure - 16



## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail: general\_dgs@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of the Sabhadhipati,  
Paschim Bardhaman Zilla Parishad,  
Govt. of West Bengal.

Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA

Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are submitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

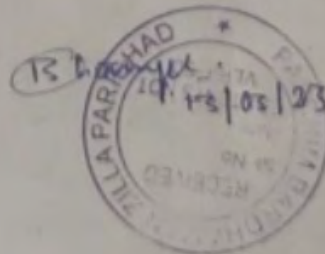
Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above





## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of Additional District Magistrate (LR),  
Paschim Bardhaman,  
Govt. of West Bengal.

**Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA**

**Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.**

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are summiting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above

Received  
but Contents are not verified  
B. Chakraborty  
13/03/23  
Receiving Clerk  
DL&LRO, Paschim Bardhaman



## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of District Magistrate,  
Paschim Bardhaman,  
Govt. of West Bengal.

**Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA**

**Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.**

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are summing the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above





## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of the Block Development Officer,  
Durgapur -Faridpur Development Block,  
Paschim Bardhaman,  
Govt. of West Bengal.

**Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA**

**Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.**

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are sumitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above

Received No. 327 dt 13/03/23  
RECEIVED WITHOUT VERIFICATION

Receiving Staff  
Block Development Office  
Durgapur Faridpur



## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com



Dt: 13.03.2023

To,  
The Office of Environmental Engineer,  
West Bengal Pollution Control Board,  
Durgapur Regional Office,  
Sahid Khudiram Sarani,  
City Center,  
Durgapur - 713216.

Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA

Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are sumitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above



## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of the Sub-Divisional Officer,  
Durgapur Sub-Division,  
Paschim Bardhaman,  
Govt. of West Bengal.

Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA

Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are submitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

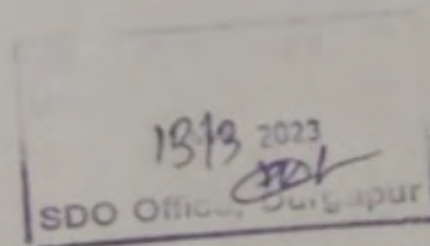
Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above







## GRAPHITE INDIA LIMITED

DURGAPUR: 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To,  
The Office of the General Manager,  
District Industries Center,  
Paschim Bardhaman,  
Govt. of West Bengal.

**Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA**

**Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.**

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are submitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,  
**For Graphite India Limited.**

*R. Chakraborty*

Ranadeep Chakraborty  
Vice President (Works)

Enclosed - As above

*GDOS  
13-3-2023*  
Received (Contents not Verified)  
Anc. Ind. Dev. Cell & Sub-DIC., Durgapur  
Durgapur, Govt. of West Bengal



## GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN  
E-Mail : general\_dgp@graphiteindia.com

Dt: 13.03.2023

To, *Commissioner*  
The, Office of the Durgapur Municipal Corporation,  
Paschim Bardhaman,  
Govt. of West Bengal.

**Ref: EC Identification no. EC23B020WB141674 Dt: 10.03.2023 for Proposed Expansion of Capacity From 52KTPA to 67 KTPA**

**Sub: Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.**

Dear Sir,

This is in reference to above mentioned Environmental clearance, we are sumitting the copy of EC as per the attached EC condition in Point XI, iii of page 7 for your display of the same for 30 days from the date of receipt of this letter.

Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

**For Graphite India Limited.**

Ranadeep Chakraborty  
Vice President (Works)

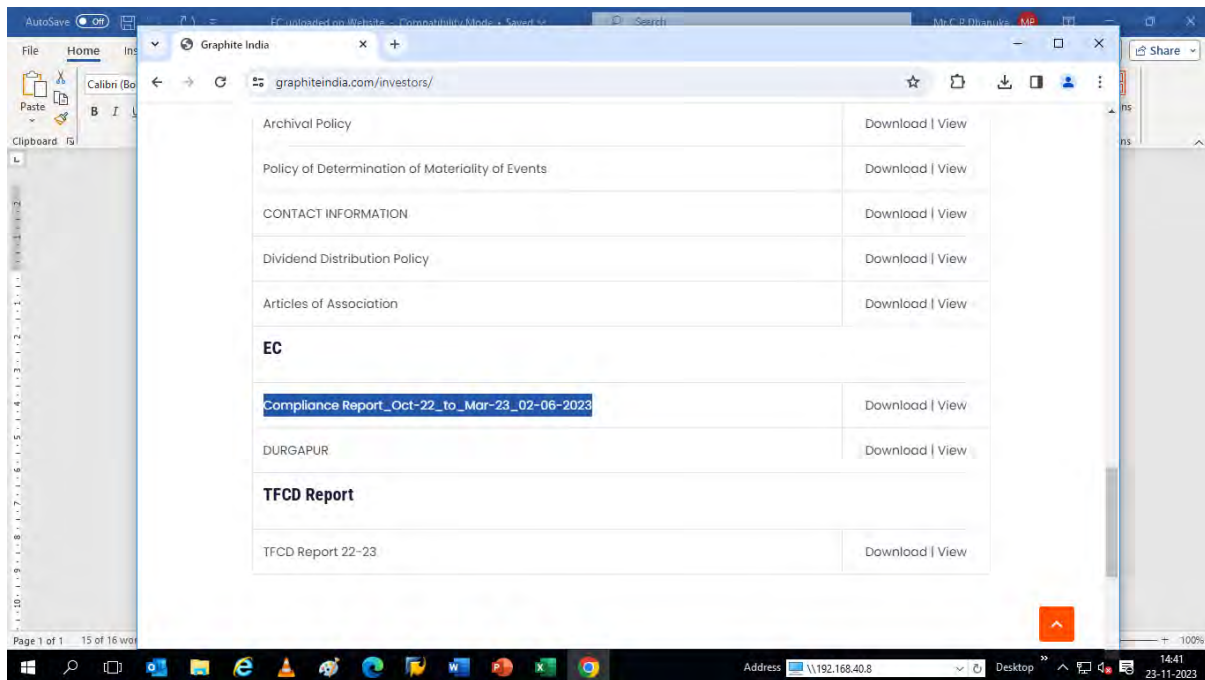
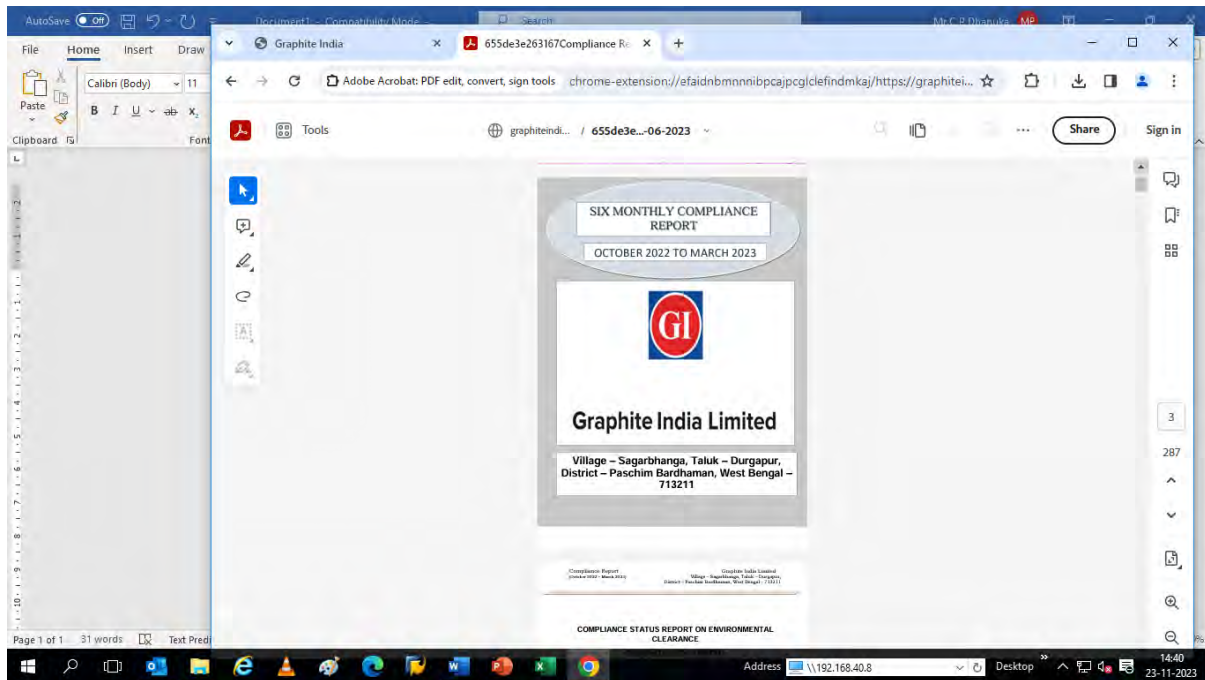
Enclosed - As above

*C. S. Das*

Received  
13/03/23  
Durgapur Municipal Corporation

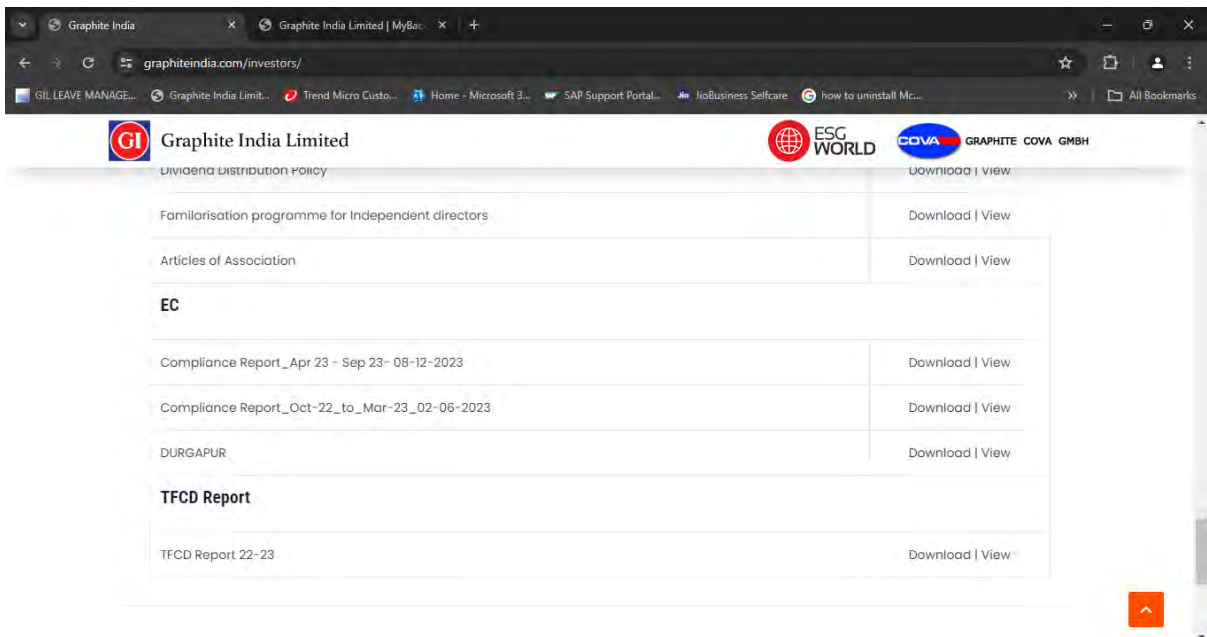
[https://graphiteindia.com/investors/documents/655de3e263167Compliance%20Report\\_Oct-22\\_to\\_Mar-23\\_02-06-2023.pdf](https://graphiteindia.com/investors/documents/655de3e263167Compliance%20Report_Oct-22_to_Mar-23_02-06-2023.pdf)

Link of Six monthly Environmental compliance Status Report (for the period Oct-22 to Mar-23) on our Website permanently uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below **EC** heading



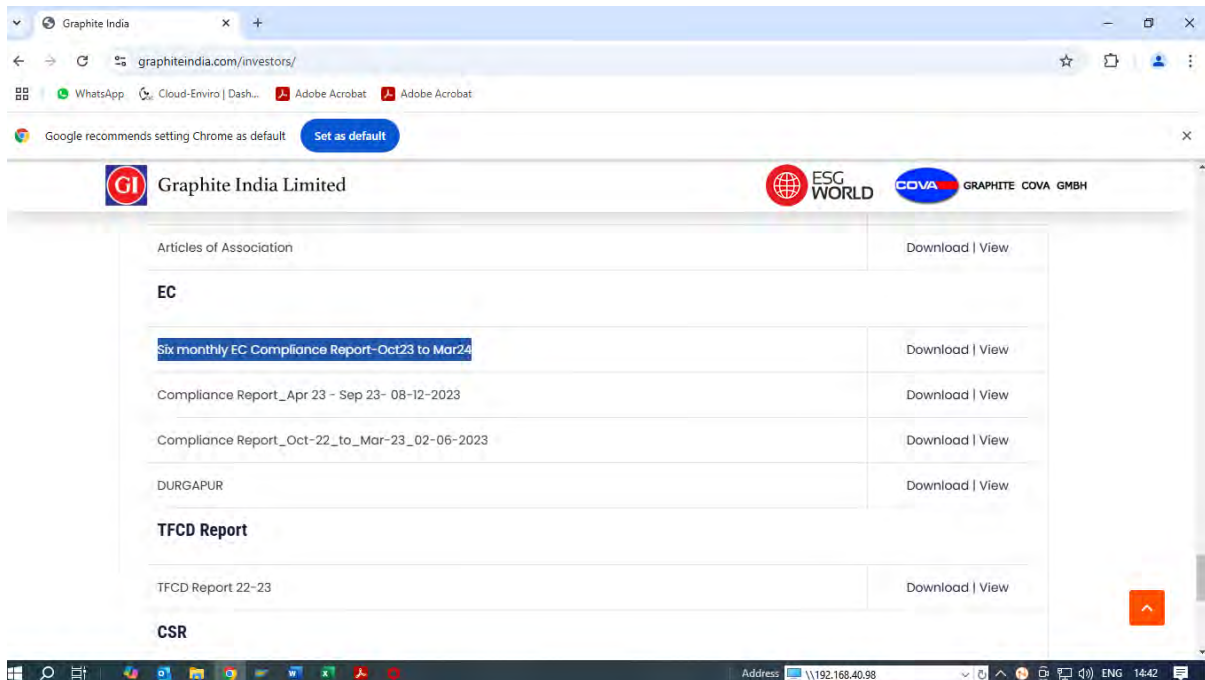
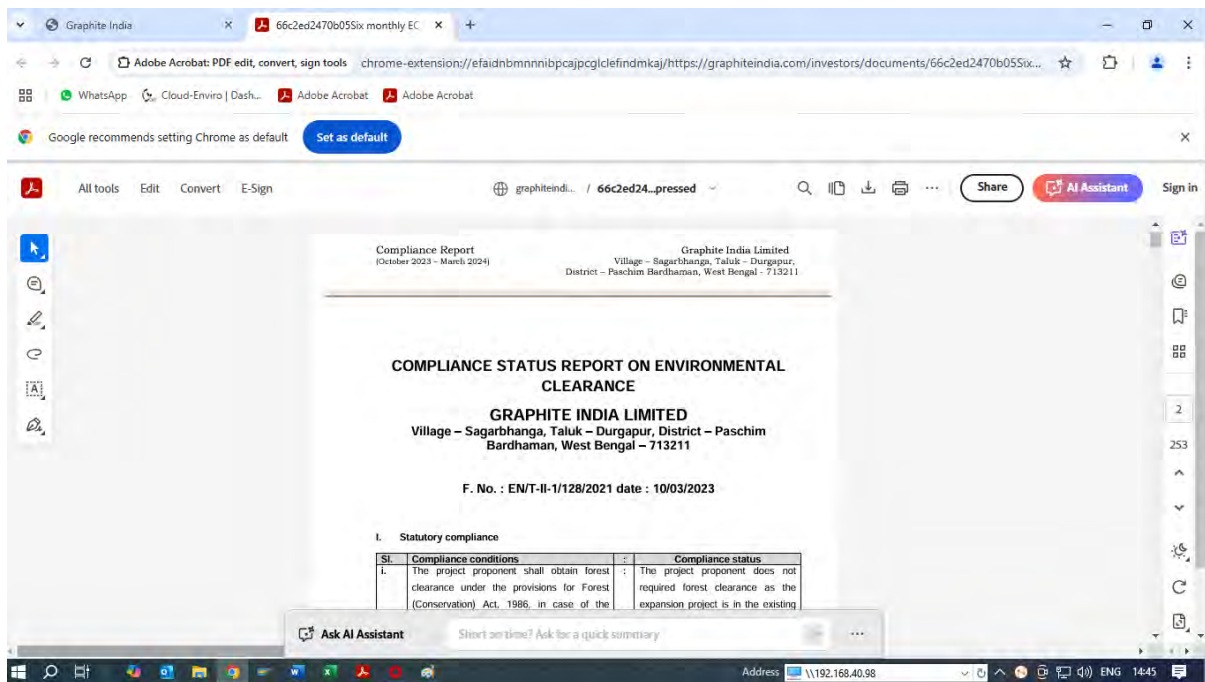
<https://graphiteindia.com/investors/documents/664af396e5ff1Six%20Monthly%20Compliance%20Report-Apr-23%20-%20Sep-23.pdf>

Link of Six monthly Environmental compliance Status Report (for the period Apr-23 to Sep-23) on our Website permanently uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below **EC heading**



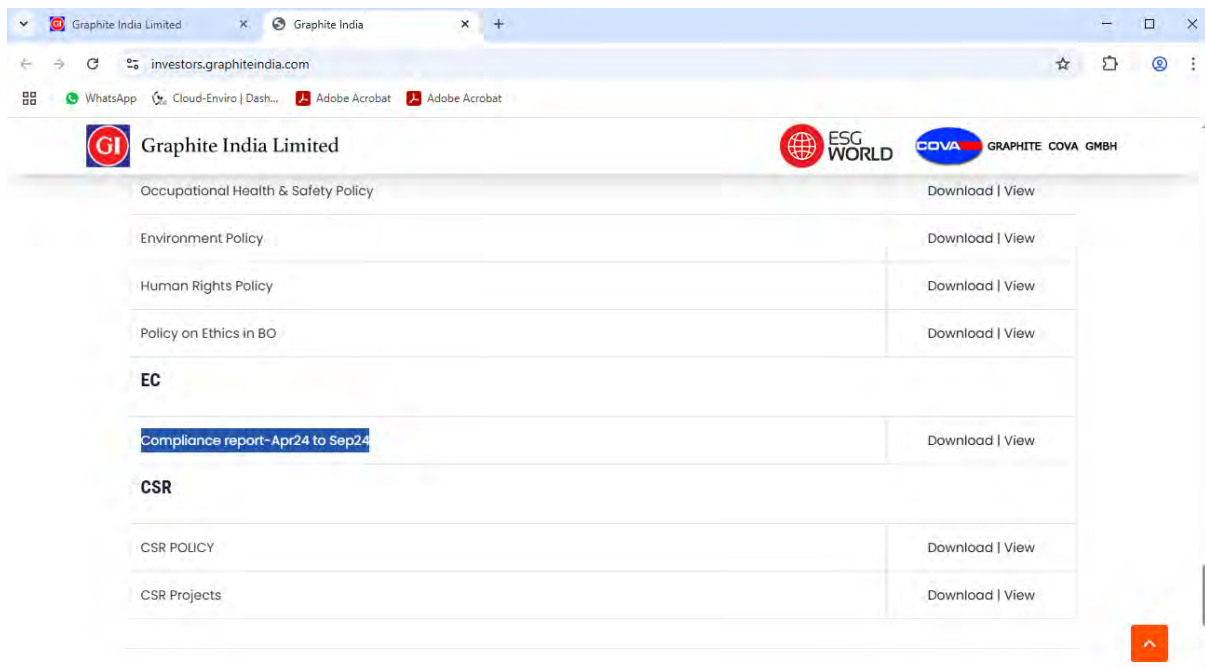
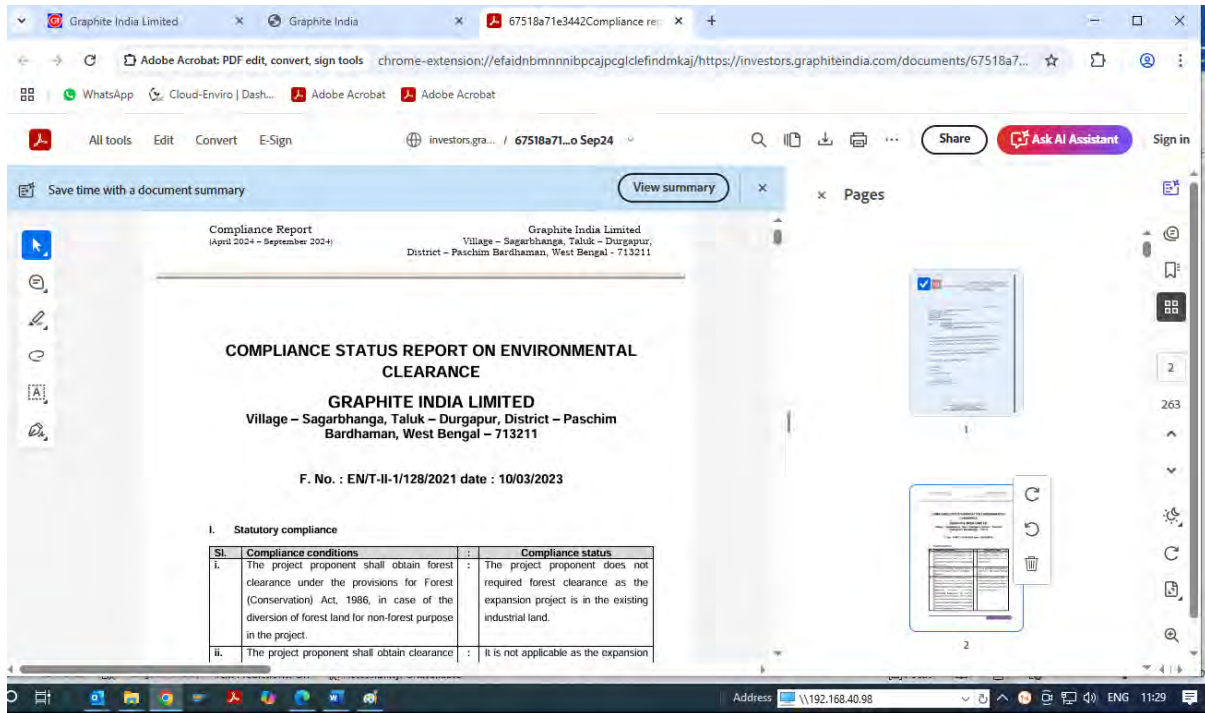
[https://graphiteindia.com/investors/documents/66c2ed2470b05Six%20monthly%20EC%20Compliance%20report-Oct23%20to%20Mar24\\_compressed.pdf](https://graphiteindia.com/investors/documents/66c2ed2470b05Six%20monthly%20EC%20Compliance%20report-Oct23%20to%20Mar24_compressed.pdf)

Link of Six monthly Environmental compliance Status Report (for the period Oct-23 to Mar-24) on our Website permanently uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below **EC heading**



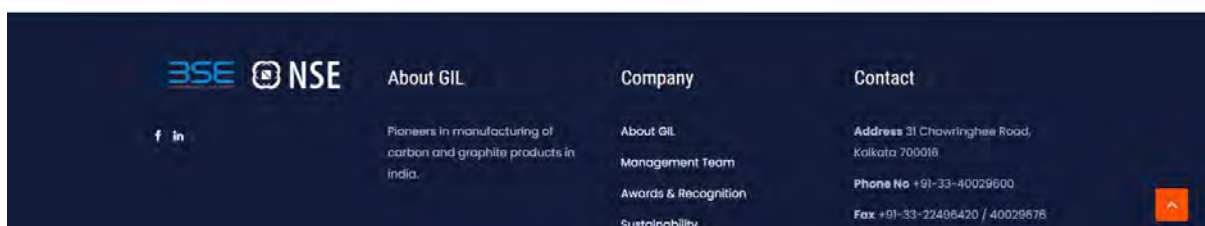
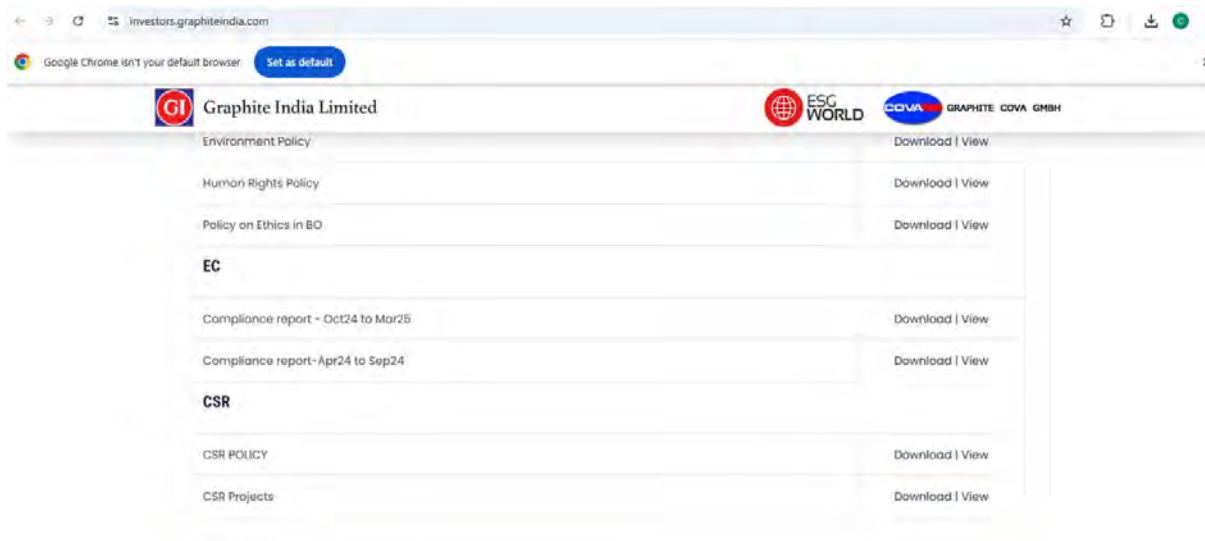
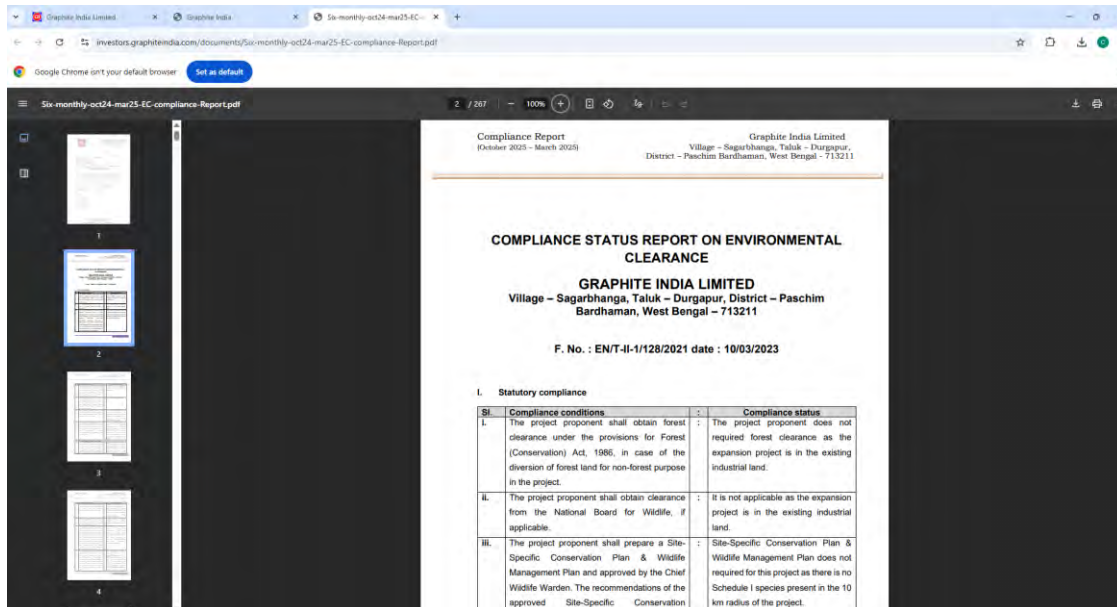
<https://investors.graphiteindia.com/documents/67518a71e3442Compliance%20report-Apr24%20to%20Sep24.pdf>

Link of Six monthly Environmental compliance Status Report (for the period Apr-24 to Sep-24) on our Website permanently uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below **EC** heading



<https://investors.graphiteindia.com/documents/Six-monthly-oct24-mar25-EC-compliance-Report.pdf>

Link of Six monthly Environmental compliance Status Report (for the period Oct-24 to Mar-25) on our Website permanently uploaded on Website of [www.graphiteindia.com](http://www.graphiteindia.com) under Investor relation page below **EC heading**





**GRAPHITE INDIA LIMITED**

DURGAPUR-713211, DIST. - BURDWAN  
E-MAIL : general\_dgp@graphiteindia.com

Dt: 23.09.2025

To,  
The Office of Environmental Engineer,  
West Bengal Pollution Control Board,  
Durgapur Regional Office,  
Sahid Khudiram Sarani,  
City Center,  
Durgapur - 713216.

**Sub: "Environmental Statement" of M/s. Graphite India Limited, Durgapur 713211, W.B., for the financial year, ending 31<sup>st</sup> March, 2025 in Form V, in compliance with the requirement of "Environment protection Amendment Rule(1993, Rule-2(b))" notified vide G.S.R 3'6(E) dated 22.04.1993**

Dear Sir,

On the above stated matter, enclosed please find herewith one set of "ENVIRONMENTAL STATEMENT", in Form - V prepared by our Sr. Manager (Technical ) for your kind perusal.

Hope, you will find everything in order.

Thanking you,

Yours Faithfully,  
**For Graphite India Limited.**

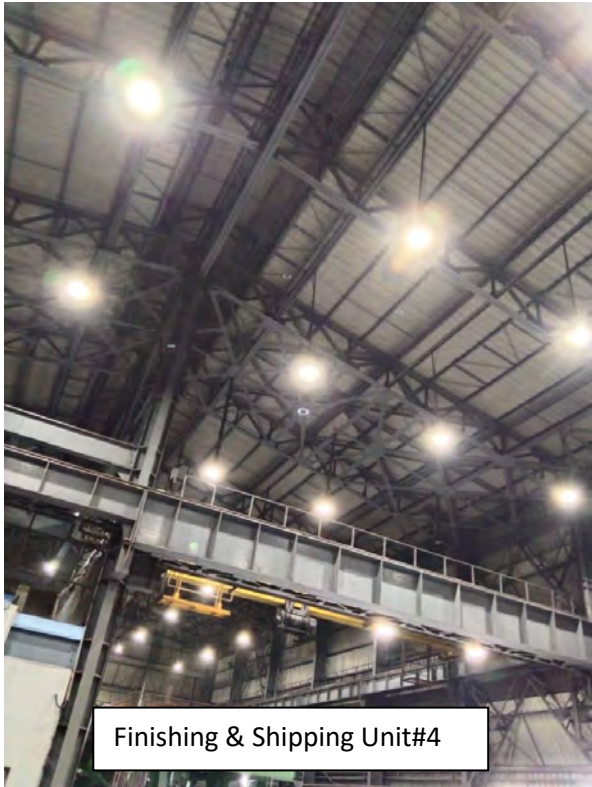
Ranadeep Chakraborty  
(Sr. Vice President Works)

Encl: Environmental Statement





# LED Light Photographs





**LIFE**  
Lifestyle for  
Environment

WEST BENGAL POLLUTION CONTROL BOARD  
(Department of Environment, Government of West Bengal)  
Paribesh Bhawan, 10A, Block – LA, Sector III, Bidhannagar  
Kolkata – 700 106, Ph.: 2335-9088/8861/7428, Fax : 2335-2813  
Website: [www.wbpcb.gov.in](http://www.wbpcb.gov.in), Email: [net.wbpcb-wb@bangla.gov.in](mailto:net.wbpcb-wb@bangla.gov.in)

Memo no. 11068 - - 4A/18/2008(Pt.-VI)

Date: 28/08/2025

To  
The Joint Director,  
Ministry of Environment & Forest & Climate Change  
Government of India  
Indira Paryavaran Bhawan, Jorbagh Road,  
New Delhi – 110003

**Sub:** Compliance report of EC conditions of M/s. **Graphite India Ltd.** located at DMC Ward – 28,  
P.O. – Sagarbhanga, Dist. – Paschim Bardhaman, Pin – 713211

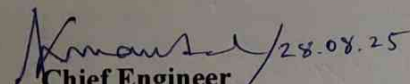
Ref: Letter of the unit dated 22/07/2025 regarding submission of Compliance Report of EC condition.

Sir,

Enclosed please find herewith the compliance report EC conditions of M/s. **Graphite India Ltd.**  
located at DMC Ward – 28, P.O. – Sagarbhanga, Dist. – Paschim Bardhaman, Pin – 713211, West  
Bengal based on the inspection carried out by the State Board on 07/08/2025.

Thanking you,

Yours faithfully,

  
Chief Engineer  
(Operation & Execution Cell)  
West Bengal Pollution Control Board

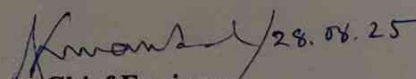
Encl: As stated.

Memo no. 11068(1-4)4A/18/2008(Pt.-VI)

Date: 28/08/2025

Copy to:

1. M/s. **Graphite India Ltd.** located at DMC Ward – 28, P.O. – Sagarbhanga, Dist. – Paschim Bardhaman, Pin – 713211.
2. The Chief Engineer, (P & EIM Cell), WBPCB
3. The Environmental Engineer (In-charge), Durgapur Regional Office, WBPCB
4. T.A. to the Member Secretary, WBPCB.

  
Chief Engineer  
(Operation & Execution Cell)  
West Bengal Pollution Control Board

etc



**LiFE**  
Lifestyle for  
Environment

**WEST BENGAL POLLUTION CONTROL BOARD**  
(Department of Environment, Government of West Bengal)  
**Durgapur Regional Office**  
Sahid Khudiram Sarani, City Centre  
Durgapur - 713 216, Tele Phone: (0343) 254-6708, 254-4915

Memo No. **653** -7/WPBD-Cont(408)/98 Part-VIII

Date: **13** .08.2025

To  
The Chief Engineer (O&E Cell)  
West Bengal Pollution Control Board  
Paribesh Bhawan  
10A, LA-Block, Sector-III  
Salt Lake, Kolkata-700106

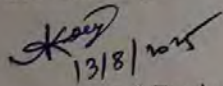
Sub: Certified compliance report of M/s. Graphite India Limited, P.O.-Sagarbhanga, Dist.-  
Paschim Bardhaman, PIN-713211

Ref: Direction of SEE(O&E) following unit's letter dated 22/07/2025

Sir,

In reference to above, this is for your kind information that M/s. Graphite India Limited, P.O.-  
Sagarbhanga, Dist.-Paschim Bardhaman, PIN-713211 was inspected by this office on  
07/08/2025. Inspection report is enclosed for your kind perusal and necessary action please.

Yours faithfully,

  
13/8/2025  
Environmental Engineer  
Durgapur Regional Office

Encl: As stated.



Diary No. **3798**, Date: **19/8/25**  
Operation and Inspection Cell  
West Bengal Pollution Control Board  
Durgapur

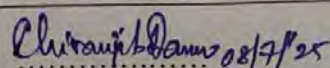
SEE(O&E)  
13/22.8.25  
CE (O&E)

### INSPECTION REPORT

<i>Inspection reference</i>	Instruction of the SEE (O&E) following unit's letter dated 22/7/'25
<i>Name &amp; Address of the unit</i>	M/s. <b>Graphite India Ltd.</b> DMC ward-28, P.O.- Sagarbhanga, Paschim Bardhaman-713211.
<i>Police Station</i>	Coke Oven
<i>Local Body</i>	DMC
<i>Electricity Authority</i>	DVC
<i>Date &amp; Time of inspection</i>	07/8/2025, 14:50 - 17:15 hrs.
<i>Inspected by</i>	C. Dawn, AEE
<i>Persons met during inspection</i>	Sri C.P. Dhanuka, <i>Manager (Technical)</i>
<i>Industrial category</i>	Red (Industrial carbon including electrodes & graphite blocks)
<i>Status of CFE/CFO</i>	CTO is valid till 30/11/2028
<i>Observation</i>	<p>The plant was in operation with its different sections running, except the old extrusion section which has been closed temporarily. Emissions from stacks of different sections was visibly insignificant during inspection.</p> <p>There was no outside discharge of liquid effluent during inspection and waste water recycling system was seen to be in operation. Solid &amp; hazardous wastes were seen to be stored in designated places.</p> <p>Unit has arranged for rain-water harvesting in tanks, total 3 sets comprising of 2 tanks in each set, for roof-top run-off (photographs taken during inspection are attached herewith). Environmental information display board at the main entrance was seen updated.</p>
<i>Other relevant information</i>	The Certified Compliance Report, as per conditions of the last Environmental Clearance (F No.: EN/T-II-1/128/2021 dated 10/3/2023) has been prepared and enclosed herewith.



One set of roof-top rain water harvesting arrangement

  
 (C. Dawn, AEE)

**COMPLIANCE STATUS REPORT W.R.T. ENVIRONMENTAL CLEARANCE**  
(F. No.: EN/T-II-1/128/2021 date: 10/03/2023)

**GRAPHITE INDIA LIMITED**  
Durgapur Municipal Corpn. ward- 28, P.O.– Sagarbhanga, P.S.- Coke Oven,  
Paschim Bardhaman– 713211

**I. Statutory compliance**

Sl.	Compliance conditions	:	Compliance status
i.	The project proponent shall obtain forest clearance under the provisions for Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose in the project.	:	NA
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	:	NA
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-I species in the study area).	:	NA
iv.	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
v.	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.	:	NA [Water used is supplied by M/s. The Durgapur Projects Limited (a Govt. of West Bengal enterprise)]
vi.	The project proponent shall obtain authorization under the Hazardous and the other Waste Management Rules, 2016 as amended from the time to time.	:	Complied
vii.	The company shall strictly comply with the rules and guidelines under Manufactures, Storage and Import of Hazardous Chemicals (MSHIC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	:	NA
<b>II</b>	<b>Air quality monitoring and preservation</b>		
i.	The project proponent shall install 24x7 continuous emission system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected	:	Complied

Sl.	Compliance conditions	Compliance status
	to SPCB and CPCB online serves and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Complied
iii.	The project proponent shall install system to carryout continuous Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> , and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> emission) within and outside the plant area at least at four locations (one within and three outside the plant area at an angel of 120 <sup>0</sup> each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).	Complied
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual monitoring of air quality/fugitive emissions to Regional Office of Ministry of Environment, Forest & Climate Change / State Environment Impact Assessment Authority /State Pollution Control Board / Zonal office of CPCB along with six-monthly monitoring report.	Complied
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied
vi.	Sulphur content should not exceed 0.5% in the coal for use fired boilers to control particulate emission within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB guidelines.	NA
vii.	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	Complied
viii.	The National Emission Standards for Petroleum Oil Refinery issued by the Ministry vide G.S.R. 186(E) dated 18th March, 2008 and G.S.R. 595(E) dated 21st August, 2009 as amended from time to time shall be followed.	NA
ix.	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	NA

Sl.	Compliance conditions	Compliance status
x.	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied
<b>III</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).	OCEMS not installed as there is no outside discharge of liquid effluent. Web camera & Flow meters installed.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	NA
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority/Zonal office of CPCB/ State Pollution Control Board along with six-monthly monitoring report.	NA (as there is no outside discharge of liquid effluent)
iv.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air / Water Act, whichever is more stringent.	NA (as there is no outside discharge of liquid effluent)
v.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste / treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	Complied
vi.	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority / SWID in this regard.	Complied
vii.	Process effluent / any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	Complied.
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	Complied
ix.	The project proponent shall make efforts to minimise water consumption in the complex by segregation of used water, practicing cascade use and by recycling treated water.	Complied
<b>IV</b>	<b>Noise monitoring and prevention</b>	
i.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied
ii.	The overall noise levels in and around the plant area shall be kept well within the standards by providing	Complied

Sl.	Compliance conditions	Compliance status
	noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	
iii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied
<b>V</b>	<b>Energy Conservation measures</b>	
i.	The energy sources for lighting purposes shall preferably be LED based.	Complied
<b>VI</b>	<b>Waste management</b>	
i.	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys, etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	NA
ii.	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	ETP sludge is disposed off to authorized CHWTSDF.
iii.	The company shall undertake waste minimization measures as below: - <ul style="list-style-type: none"> <li>a. Metering and control of quantities of active ingredients to minimize waste.</li> <li>b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>c. Use of automated filling to minimize spillage.</li> <li>d. Use of Close Feed system into batch reactors.</li> <li>e. Venting equipment through vapour recovery system.</li> <li>f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.</li> </ul>	<ul style="list-style-type: none"> <li>a. Complied</li> <li>b. Minor part reused, as applicable &amp; major part sold.</li> <li>c. Complied</li> <li>d. Complied, wherever applicable.</li> <li>e. NA</li> <li>f. NA</li> </ul>
<b>VII</b>	<b>Green Belt</b>	
i.	The green belt of 5-10 m width shall be developed in the total project area and also in the compensatory plantation area as proposed by the project proponent. In this regard, O.M. issued by MoEF&CC vide F No 22-2312018.IA.III(Pt.) dated 31.10.2019 should be strictly complied with, as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area. The plantation should be done mainly along the plant periphery, in downward wind direction, and along road sides etc. and also in the colony areas. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. The project proponent should follow the plantation plan submitted and uploaded in the PARIVESH portal by them. In addition to greenbelt	Complied



Sl.	Compliance conditions	Compliance status
	area within project site, 13,018 sq.m. of greenbelt area to be developed in the colony area, as proposed.	
<b>VIII</b>	<b>Public hearing and Human health issues</b>	
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied
ii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Complied
iii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied
iv.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	NA
v.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied
vi.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complied
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied
<b>IX</b>	<b>Environment Management Plan (EMP)</b>	
i.	The project proponent should submit the proposed EMP on a six-monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-6512017-IA.III dated 30.09.2020 read with O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III(Pt.) dated 31.10.2019 should be strictly complied with, as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.	Complied
ii.	Need based activities for local people is part of the EMP. Details of such activities are submitted by the project proponent is given in Annexure – 3.	Complied (Year wise expenses of need based activities is being done)
iii.	The company shall have a well laid down environmental policy duly approve by the Board of	Complied

Sl.	Compliance conditions	: Compliance status
	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 Ministry of Environment, Forests & Climate Change/State Environment Impact Assessment Authority/State Pollution Control Board as a part of six-monthly report.	
iv.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly to the head of the organization.	Complied
v.	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 of Environment, Forests & Climate Change / State Environment Impact Assessment Authority/ State Pollution Control Board along with the Six-Monthly Compliance Report.	Complied
vi.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied
<b>X</b>	<b>Additional conditions</b>	
a.	The project proponent should comply with the conditions mentioned in O.M. issued by MoEF&CC vide F No. 22-2312018.IA.III (Pt.) dated 31.10.2019 as the project is located within the municipal boundaries of Durgapur Municipal Corporation which is declared as Severely Polluted Area.	Complied.
b.	The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations as proposed within their premises.	Complied
<b>XI</b>	<b>Miscellaneous</b>	
i.	The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.	Unit is aware
ii.	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,	Complied

Sl.	Compliance conditions	Compliance status
	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.	
iii.	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
iv.	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
v.	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.	Complied
vi.	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 with a copy to SEIAA/WBPCB.	Complied
vii.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under; the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied
viii.	The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Complied
ix.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied
x.	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 State Expert Appraisal Committee (SEAC).	Complied
xi.	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/ MoEF&CC.	Being Followed
xii.	Concealing factual data or submission of false / fabricated data may result in revocation of this	Unit is aware

Sl.	Compliance conditions	Compliance status
	environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	
xiii.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Unit is aware
xiv.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Unit is aware
xv.	The Regional Office of MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer(s) of the Regional Office of MoEF&CC/SEIAA/WBPCB by furnishing the requisite data / information / monitoring reports.	Unit follows it strictly
xvi.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon`ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.	Unit is aware
xvii.	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.	Unit is aware

*C. Dawn*  
 (C. Dawn, AEE)