

GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST. - BURDWAN
E-MAIL: general_dgp@graphiteindia.com*

Date: 02.12.2024

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

Sub.:

Submission of Six Monthly Compliance Report for the period of April 2024 to

September 2024

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

(Executive Vice President Works)

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E-mail Id: gilro@graphiteindia.com Website: www.graphiteindia.com

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

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

SI.	Compliance conditions	:	Compliance status
iv.	The project proponent shall obtain Consent to	:	Consent to Establish / operate for
	Establish/Operate under the provisions of Air		existing project are attached as
	(Prevention & Control of Pollution) Act, 1981		Annexure – 1.
	and the Water (Prevention & Control of		
	Pollution) Act, 1974 from the concerned State		
	Pollution Control Board Committee.		
٧.	The project proponent shall obtain the	:	There is no drawl of ground water.
	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.		
vi.	The project proponent shall obtain	:	For existing Authorization under the
	authorization under the Hazardous and the		Hazardous and the other Waste
	other Waste Management Rules, 2016 as		Management Rules, 2016 has been
	amended from the time to time.		obtained. See Annexure – 2 . For
			expansion part HW authorization
			applied Annexure -2 (a).
vii.	The company shall strictly comply with the		The company will comply with
	rules and guidelines under Manufactures,		applicable rules and guidelines
	Storage and Import of Hazardous Chemicals		under Manufactures, Storage and
	(MSHIC) Rules, 1989 as amended time to		Import of Hazardous Chemicals
	time. All transportation of Hazardous		(MSHIC) Rules, 1989 as amended
	Chemicals shall be as per the Motor Vehicle		time to time. All transportation of
	Act (MVA), 1989.		Hazardous Chemicals shall be as
			per the Motor Vehicle Act (MVA),
			1989.
ii.	Air quality monitoring and preservation	1	
i.	The project proponent shall install 24x7	:	24x7 continuous emission system at
	continuous emission system at process stacks		15 KTPA expansion project process
	to monitor stack emission with respect to		stack to monitor stack emission with
	standards prescribed in Environment		respect to standards prescribed in
	(Protection) Rules, 1986 and connected to		Environment (Protection) Rules,
	SPCB and CPCB online serves and calibrate		1986 is installed & Commissioned.

SI.	Compliance conditions	:	Compliance status
	these systems from time to time according to		Application for the connection to
	equipment supplier specification through labs		SPCB/CBCB applied as per the
	recognized under Environment (Protection)		details provided the the equipment
	Act, 1986 or NABL accredited laboratories.		supplier. Photos Attached
			Annexure – 3.
ii.	The project proponent shall monitor fugitive		Fugitive emissions in the plant
	emissions in the plant premises at least once		premises has been monitored.
	in every quarter through labs recognized under		Reports are attached as Annexure –
	Environment (Protection) Act, 1986.		4.
iii.	The project proponent shall install system to	:	Continuous Ambient Air Quality
	carryout continuous Ambient Air Quality		Monitoring is installed &
	Monitoring for common/criterion parameters		Commissioned. The project
	relevant to the main pollutants released (e.g.		proponent has monitored Ambient
	PM ₁₀ and PM _{2.5} in reference to PM emission,		Air Quality from NABL accredited
	and SO ₂ , and NO _x in reference to SO ₂ and NO _x		lab. Reports are attached as
	emission) within and outside the plant area at		Annexure – 4. Photos of CAAQMS
	least at four locations (one within and three		is attached as Annexure – 3.
	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).		
iv.	The project proponent shall submit monthly	:	The monthly summary of continuous
	summary report of continuous stack emission		stack emission report emission
	and air quality monitoring and results of		attached in Annexure- 3A of 15
	manual monitoring of air quality/fugitive		KTPA expansion processes stack
	emissions to Regional Office of Ministry of		after the Commissioning Date.
	Environment, Forest & Climate Change / State		Results of manual monitoring of air
	Environment Impact Assessment Authority		quality/fugitive emissions & Stack
	/State Pollution Control Board / Zonal office of		monitoring has been carried out.
	CPCB along with six-monthly monitoring		Reports are attached as Annexure –
	report.		4. Same is submitted through this
			report to Regional Office of Ministry
			of Environment, Forest & Climate
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SI.	Compliance conditions	:	Compliance status
			Change / State Environment Impact
			Assessment Authority /State
			Pollution Control Board / Zonal office
			of CPCB along with six-monthly
			monitoring report.
٧.	Appropriate Air Pollution Control (APC)	:	Appropriate Air Pollution Control
	system shall be provided for all the dust		(APC) system has been provided for
	generating points including fugitive dust from		15 KTPA expansion project and also
	all vulnerable sources, so as to comply		APC has been provided at all dust
	prescribed stack emission and fugitive		generating points for existing units.
	emission standards.		Photograph has been attached as
			Annexure – 5.
vi.	Sulphur content should not exceed 0.5% in the	:	The unit does not use coal fired
	coal for use fired boilers to control particulate		boiler so this condition is not in
	emission within permissible limits (as		project configuration.
	applicable). The gaseous emissions shall be		
	dispersed through stack of adequate height as		
	per CPCB guidelines.		
vii.	The DG sets shall be equipped with suitable		The DG sets has been equipped with
	pollution control devices and the adequate		suitable pollution control devices and
	stack height so that the emissions are in		with the adequate stack height.
	conformity with the extant regulations and the		
	guidelines in this regard.		
viii.	The National Emission Standards for		This condition is not in project
	Petroleum Oil Refinery issued by the		configuration.
	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.		
ix.	The National Emission Standards for		This condition is not in project
	Petrochemical (Basic & Intermediates) issued		configuration.
	by the Ministry vide G.S.R. 820 (E) dated 9th		

SI.	Compliance conditions	:	Compliance status
	November, 2012 as amended time to time		
	shall be followed.		
x.	Storage of raw materials, coal etc. shall be		Storage of raw materials are stored
	either stored in silos or in covered areas to		in covered areas to prevent dust
	prevent dust pollution and other fugitive		pollution and other fugitive
	emissions.		emissions.
iii.	Water quality monitoring and preservation		
i.	The project proponent shall provide online		Presently there is no discharge of
	continuous monitoring of effluent, the unit		effluent of outside the plant. The unit
	shall install web camera with night vision		has installed web camera with night
	capability and flow meters in the channel/		vision capability and flow meters
	drain carrying effluent within the premises		in the channel/ drain carrying
	(applicable in case of the projects achieving		effluent within the premises.
	ZLD).		Commissioning is complete. Photos
			has been attached as Annexure – 3 .
ii.	The project proponent shall monitor		The condition is not in project
	regularly ground water quality at least twice		configuration.
	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.		
iii.	The project proponent shall submit monthly		Presently there is no discharge
	summary report of continuous effluent		outside the plant. Manual monitoring
	monitoring and results of manual effluent		of water quality has been attached
	testing and manual monitoring of ground		as Annexure – 4 and same is
	water quality to Regional Office of Ministry of		submitted through this report
	Environment, Forests & Climate Change /		submitted to Regional Office of
	State Environment Impact Assessment		Ministry of Environment, Forests &
	Authority/Zonal office of CPCB/ State Pollution		Climate Change / State Environment
	Control Board along with six-monthly		Impact Assessment Authority/Zonal
	monitoring report.		office of CPCB/ State Pollution
	s.mg roport		Control Board along with six-monthly
			monitoring report.
			monitoring report.

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

SI.	Compliance conditions	:	Compliance status
	segregation of used water, practicing cascade		segregation of used water and by
	use and by recycling treated water.		recycling treated/filtered water.
iv.	Noise monitoring and prevention		
i.	Acoustic enclosure shall be provided to DG set		Acoustic enclosure is provided to DG
	for controlling the noise pollution.		set for controlling the noise pollution.
ii.	The overall noise levels in and around the		The overall noise levels in and
	plant area shall be kept well within the		around the plant area is kept well
	standards by providing noise control		within the standards by providing
	measures including acoustic hoods,		noise control measures including
	silencers, enclosures etc. on all sources of		acoustic hoods, silencers,
	noise generation.		enclosures etc. on all sources of
			noise generation.
iii.	The ambient noise levels should conform to		The ambient noise levels conforms
	the standards prescribed under E(P)A Rules,		to the standards prescribed under
	1986 viz. 75 dB(A) during day time and 70		E(P)A Rules, 1986 viz. 75 dB(A)
	dB(A) during night time.		during day time and 70 dB(A) during
			night time. Reports of existing plant
			are attached as Annexure – 4 .
٧.	Energy Conservation measures		
i.	The energy sources for lighting purposes shall		The energy sources for lighting
	preferably be LED based.		purposes is LED based.
			Photographs are attached as
			Annexure – 19.
vi.	Waste management		
i.	Hazardous chemicals shall be stored in tanks,		Hazardous chemicals if any will be
	tank farms, drums, carboys etc. Flame		stored in as per statuary norms and
	arresters shall be provided on tank farm and		precaution taken as regulatory
	the solvent transfer through pumps.		requirement.
ii.	Process organic residue and spent carbon, if		Process organic residue is not
	any, shall be sent to cement industries. ETP		generated. ETP sludge generated
	sludge, process inorganic & evaporation salt		and is disposed off to the TSDF.
	shall be disposed off to the TSDF.		
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SI.	Compliance conditions	:	Compliance status
iii.	The company shall undertake waste		The company has undertaken the
	minimization measures as below:-		waste minimization measures as
	a. Metering and control of quantities of		mentioned in the condition -
	active ingredients to minimize waste.		a. Project proponent has
	b. Reuse of by-products from the process		metering and control of
	as raw materials or as raw material		quantities of active ingredients
	substitutes in other processes.		to minimize waste.
	c. Use of automated filling to minimize		b. By-products are reused or
	spillage.		sold.
	d. Use of Close Feed system into batch		c. Automated filling is used to
	reactors.		minimized spillage.
	e. Venting equipment through vapour		d. The condition is not in project
	recovery system.		configuration.
	f. Use of high pressure hoses for		e. The condition is not in project
	equipment clearing to reduce		configuration.
	wastewater generation.		f. The condition is not in project
			configuration.
vii.	Green Belt	1	
i.	The green belt of 5-10 m width shall be		The project proponent has
	developed in the total project area and also in		developed Greenbelt within project
	the compensatory plantation area as proposed		and colony areas.
	by the project proponent. In this regard, O.M.		Green belt at the project area
	issued by MoEF&CC vide F No 22-		developed as per proposal by
	2312018.IA.III(Pt.) dated 31.10.2019 should		planting 688 Plants. Mango – 180
	be strictly complied with, as the project is		nos, Bakul – 143 nos, Radha Chura-
	located within the municipal boundaries of		138 & Krishna Chura- 79 nos , Jack
	Durgapur Municipal Corporation which is		Fruit- 148 nos.
	declared as Severely Polluted Area. The		Green belt at Colony area is
	plantation should be done mainly along the		developed as per proposal. The
	plant periphery, in downward wind direction,		project proponent has followed the
	and along road sides etc. and also in the		plantation plan submitted and
	colony areas. Selection of plant species shall		uploaded in the PARIVESH portal.
	be as per the CPCB guidelines in consultation		Photographs and layout of old colony
	with the State Forest Department. The project		

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

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

SI.	Compliance conditions	:	Compliance status
			20 KLD kitchen waste water has
			been attached as Annexure – 11.
ii.	Need based activities for local people is part		Need based activities for local
	of the EMP. Details of such activities are		people is part of the EMP has been
	submitted by the project proponent is given in		complied with and addressed in six
	Annexure – 3.		monthly compliance report. See
			Annexure – 12.
iii.	The company shall have a well laid down		The company has prepared
	environmental policy duly approve by the		environment policy. The policy has
	Board of Directors. The environmental policy		been attached as Annexure – 13 .
	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 proponent already have
	project and company head quarter level, with		environment management system
	qualified personnel shall be set up under the		organizational structure which is
	control of Senior Executive, who will directly		given in EIA.
	to the head of the organization.		
٧.	Action plan for implementing EMP and		Action taken for the EMP which is
	environmental conditions along with		need based activity for local people

SI.	Compliance conditions	:	Compliance status
	responsibility matrix of the company shall be		will be complied with and details with
	prepared and shall be duly approved by		the same will be shared in six
	competent authority. The year wise funds		monthly compliance report. See
	earmarked for environmental protection		Annexure – 12.
	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.		
vi.	Self environmental audit shall be conducted		Self environmental monitoring is
	annually. Every three years third party		done on quarterly basis and reports
	environmental audit shall be carried out.		of the same is submitted to WBPCB.
			A every year third party
			environmental management system
			audit carried out. Audit certificates
			are attached as Annexure – 14.
X.	Additional conditions		
a.	The project proponent should comply with the		The project proponent complies with
	conditions mentioned in O.M. issued by		the conditions mentioned in O.M.
	MoEF&CC vide F No. 22-2312018.IA.III(Pt.)		issued by MoEF&CC vide F No. 22-
	dated 31.10.2019 as the project is located		2312018.IA.III(Pt.)dated 31.10.2019
	within the municipal boundaries of Durgapur		as the project is located within the
	Municipal Corporation which is declared as		municipal boundaries of Durgapur
	Severely Polluted Area.		Municipal Corporation which is
			declared as Severely Polluted Area.
b.	The project proponent shall install display		The project proponent has installed
	board for display of all the environmental		display board for display of relevant
	parameters including sensor-based air, water		environmental parameters.
	and noise quality monitoring stations as		Photographs attached as Annexure
	proposed within their premises.		– 3 .
xi.	Miscellaneous		

SI.	Compliance conditions	<u>:</u>	Compliance status
i.	The environmental clearance accorded shall		The given condition is noted.
	be valid for a period of 10 years for the		
	proposed project.		
ii.	The project proponent shall make public the		The project proponent has made
	environmental clearance granted for-their		public the environmental clearance
	project along with the environmental		granted for-their project along with
	conditions and safeguards at their cost by		the environmental conditions and
	prominently advertising it at least in two local		safeguards at their cost by
	newspapers of the District or State, of which		prominently advertising in two local
	one shall be in the vernacular language within		newspapers of the District or State,
	seven days and in addition this shall also be		of which one shall be in the
	displayed in the project proponent's website		vernacular language and is also
	permanently.		displayed in the project proponent's
			website permanently. Advertisement
			and screenshot of the website copy
			of local newspaper has been
			attached as Annexure – 15 .
iii.	The copies of the environmental clearance		The copies of the environmental
	shall be submitted by the project proponents to		clearance is submitted by the project
	the Heads of local bodies, Panchayats and		proponents to the Heads of local
	Municipal Bodies in addition to the relevant		bodies, Panchayats and Municipal
	offices of the Government who in turn has to		Bodies in addition to the relevant
	display the same for 30 days from the date of		offices of the Government. The
	receipt.		intimation copy has been attached
			as Annexure – 16.
iv.	The project proponent shall upload the		The project proponent has
	status of compliance of the stipulated		uploaded the status of compliance
	environment clearance conditions, including		of the stipulated environment
	results of monitored data on their website and		clearance conditions, including
	update the same on half-yearly basis.		results of monitored data on their
			website and update the same on
			half-yearly basis. Website
			1

SI.	Compliance conditions	:	Compliance status
			screenshot has been attached as
			Annexure – 17.
٧.	The project proponent shall monitor the criteria		The project proponent has
	pollutants level namely; PM!0, S02, NOx		monitored the criteria pollutants level
	(ambient levels as well as stack emissions) or		namely; PM10, S02, NOx (ambient
	critical sectoral parameters, indicated for the		levels as well as stack emissions) or
	projects and display the same at a convenient		critical sectoral parameters,
	location for disclosure to the public and put on		indicated for the projects and
	the website of the company.		displayed the same in the website
			through six monthly compliance
			report.
vi.	The project proponent shall submit six-		The project proponent is submitting
	monthly reports on the status of the		six-monthly reports on the status of
	compliance of the stipulated environmental		the compliance of the stipulated
	conditions on the website of the Ministry of		environmental conditions. Refer
	Environment, Forest and Climate Change at		Annexure – 17.
	environment clearance portal with a copy to		
	SEIAA/WBPCB.		
vii.	The project proponent shall submit the		The project proponent has submitted
	environmental statement for each financial		the environmental statement for
	year in Form-V to the concerned State		each financial year in Form-V to the
	Pollution Control Board as prescribed under;		concerned State Pollution Control
	the Environment (Protection) Rules, 1986, as		Board. Submission letter has been
	amended subsequently and put on the website		attached as Annexure – 18 .
	of the company.		
viii.	The project proponent shall inform the		The project proponent has obtain the
	Regional Office of the MoEF&CC along with		CTE and CTO where in the details of
	SEIAA and WBPCB, the date of financial		the project were being already
	closure and final approval of the project by the		disclosed.
	concerned authorities, commencing the land		
	development work and start of production		
	operation by the project.		

SI.	Compliance conditions	:	Compliance status
ix.	The project authorities must strictly adhere to		The condition will be followed.
	the stipulations made by the State Pollution		
	Control Board and the State Government.		
X.	The project proponent shall abide by all the		The project proponent will follow by
	commitments and recommendations made in		all the commitments and
	the EIA / EMP report, commitment made		recommendations made in the EIA /
	during Public Hearing and also that during		EMP report, commitment made
	their presentation to the State Expert Appraisal		during Public Hearing and also that
	Committee (SEAC).		during their presentation to the State
			Expert Appraisal Committee
			(SEAC).
xi.	No further expansion or modifications in the		No further expansion or
	plant shall be carried out without prior approval		modifications in the plant will be
	of the SEIAA/ MoEF&CC.		carried out without prior approval of
			the SEIAA/ MoEF&CC.
xii.	Concealing factual data or submission of false		The condition will be followed.
	/ fabricated data may result in revocation of		
	this environmental clearance and attract		
	action under the provisions of Environment		
	(Protection) Act, 1986.		
xiii.	The SEIAA may revoke or suspend the		The condition will be followed.
	clearance, if implementation of any of the		
	above conditions is not satisfactory.		
xiv.	The SEIAA reserves the right to stipulate		The condition will be followed.
	additional conditions if found necessary. The		
	Company in a time bound manner shall		
	implement these conditions.		
XV.	The Regional Office of		The condition will be followed.
	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		

SI.	Compliance conditions	:	Compliance status
	MoEF&CC/SEIAA/WBPCB by furnishing the	_	
	requisite data / information / monitoring		
	reports,		
xvi.	The above conditions shall be enforced, inter-		The condition will be followed.
	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.		
xvii.	Any appeal against this EC shall lie with the		The condition will be followed.
	National Green Tribunal, if preferred, within a		
	period of 30 days as prescribed under Section		
	16 ofthe National Green Tribunal Act, 2010.		

Annexure -1



NOC NO172047

WEST BENGAL POLLUTION CONTROL BOAF

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

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

Dated 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: iYour 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 Unit of M/s

India limited, Sagarbhanga, Lungapur-713211, Paschim Bardhaman, W.B.

for manufacturing/storage/installation of one Baking Furnace(Riedhammer Baking Furnace, RH 24 Section Unit-III) & released accessaries replacing one old Restrowlating Baking Furnace) for increase in Finished product capacity at from 52 KTPA to 67 KTPA(additional production of 15000 MTPA) at existing Unit at Sagarbhanga, Durgapur, Paschim Bardhaman, West this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point Bengal.

- 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.
- 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.
- 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.

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

NOC NO172047

- 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. (ii)
 - Environment (Protection) Act, 1986 (iii)
 - Environment (Protection) Rules, 1986 (iv)
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000 (v)
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000 (vi)
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms (vii) or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993 (ix)
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable. (x)
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and (xi)
 - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable (xii)
- You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government 8. 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)

West Bengal Pollution Control Board

Yours faithfully,

-2N-08/2020(E)-Pt.-I dd. 31.09.2023

Dated......Ghief.Engineer..... W. B. Pollution Control Board

Memo No. Copy forwarded for information to:

Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkatae 700 000 nment, Govt. of W.E. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. 2.

Building. Kolkata-700 001

Guard file, West Bengal Pollution Control Board. 3. 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

4.

Vill, Panpur

Kalyani Expressway

P.O. Narayanpur Dist. 24 Pgs. (N) Sahid Khudiram Sarani

City Centre, Durgapur-16 Dist. Burdwan

Paribahan Nagar

Matigara, Siliguri

Dist.-Darjeeling

10. Camac Street 2nd Floor

(EIM CELL)

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

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

Member Secretary Chief West Bengal Pollution Control Board

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

Annexure I to NOC SI. 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)

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	stacks of heig	stic enclosures with tht 9m above DG oom	

- 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 30mg/Nm³.
- The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th 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.
- Domestic to be treated in STP.
- 5) ZLD system to be strictly followed.

Solid Waste : -

- Bag Filter dust to be reused in different processes.
- 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.
- 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.
- 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.

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.

Chief Engineer (EIM Cell)
West Bengal Pollution Control Board

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

WEST BENGAL POLLUTION CONTROL BOARD



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

Consent Letter Number: C0144055

Memo Number: 594-7/WPBD-Cont (408) 198 (Pt-VII) Date:

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:
Ms. Graphite India Limited India
(Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at P.O. Sagarbhanga, Durgapus, 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

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For and on behalf of the State Board

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

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this consent letter giving one month's notice to the applicant.

ANNEXURE

Consent to MS. Graphite India Limited.
for its unit at P.O Sagarbhanga, Durgapur, P.SCoke Oven, Dist - Paschian
Bardhaman, Pin-7/32/1

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 Gnaphite Electrode	15000 Tonlyear
02	A CONTRACTOR OF THE PARTY OF TH	
03		
04		
05	WESTBE	NGAL
06	ISSUE DE L'ANGE	
07		The state of the s
08		
09		
10	VERNER BUSINESS	
11	Value Supit se	
12		

02. The Applicant shall remain responsible for quantity and quality of liqu	id effluent and air emissions.
---	--------------------------------

- 05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceedKL.
- 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.)

Environmental Engineer
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Co	11.	1.1	
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(3)		
Consent to Mls. Gnaphite India Limited		
for its unit at P.O Sagarbhanga, Durgapur, P.SCoke	Oven,	Dist, - Paschim
Bardhaman, Pin-713211		

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
-	Domestic pH	рН	Between: 5:5 to 9:0	Half Yearly
	2_	Total Suspended Solids	Not to exceed: 100 mg/1.	
Li.	Industrial		Not to exceed: 30 mg/1.	
	and willing	Chemical Oxygen Demand	Not to exceed: 250 mg/1.	
		Oil & Grease	Not to exceed: 10 mg/1.	-
		ATTENDED TO THE PARTY OF THE PA		
		Treated effluent shall k	a secucled.	
		1 / Emily April 1	Tacy Creat	
		CONTRACTOR DE LA CONTRA	TELESCE A.	
		WEST BEN	IGAL	
		AND DESCRIPTION OF THE PARTY OF	THE PARTY OF THE P	
		The second secon	Committee of the commit	
			,	
			11	
	-	CONTRACT STREET		
		SECTION SECTION SECTION		
			La La sala ()	

09.	The Applicant falls in the	-	 	the Water (Prevention
	and Control of Pollution) Cess Act, 1977		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 :-

 - Domestic purpose → 1.3 KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable

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.

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

Environmental Engineer
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Consent to MIC. Graphite India Limited

for its unit at P.O. - Sagarbhauga, Dungapus, P.S. - Coke Oven, Dist. - Paschim

Bandhaman, 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 faciliate 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	Ştack attached no (sources and control system.	Volume Nm³/hr.	Velocity of gas emission m/sec	Concent	Frequency of emission sampling		
	G.I., (in mts.)	if any):	WES		SPM (mg/Nm³)	CO (%v/v)		
S-I	15	Finishing (A DESCRIPTION OF THE PERSON OF	30			Half-Year
S-2	15	Finishinge Bag Filter	E TO SERVICE STATE OF THE PARTY	and the last	30			-Do-
S-3	45	Baking Pur; with ESP	nace RHS	-4(m)	30		1	-Do-
S-4	24.3	Stock clear with Bag F	ilter		30			-Do -
S-5	22:4	Jaw Crush		ne with	30			-Do -
S-6	15	SOOKVAD.	G. Set	-	120	-		Yearsly.
S-7	12	5,00 KVA 1	s. G. Set	_	120			-00-
S-8	15	SOOKVAI	o.G. Set	-	150	-		-00-
S-9							3=	
S-10								

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

W. B. Pellution Co.Continued...... Operation & Execution Cell

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Consent to MIS. Graphite India Limited

for its unit at P.O. - Sagarbhanga, Durgapur, P.S. Coke Oven, Dist. Paschim Bandhaman, 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	C2H	48	D.G. Setz.
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,	Growthite Errdent Ser	rap, Meteoka Residue)	Sale
Himes, Mipple Ser	pap I core fines, e	pc 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.)	22

- 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.)

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Consent to Mls. Gnaphite India Limited for its unit at PO- Saganbhanga, Dungapun, P.S. - Coke Oven, Dist - Paschin Bardhaman, Pin-713211

- 24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control sys-
- 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.
- 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 with the EC and CTE conditions.

Additional Conditions with the EC and CTE conditions.

2. Hazardows wastes shall be disposed off as few HWM Pules, 25 to be a Execution Continued.



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, e-mail: wbpcbnet@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

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.

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	Para	Parameters and standard							
	effluent	Parameters	Standards	Unit	sampling					
	Domestic	pН	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				

- 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	emiss		Fuel o	letails		Conc	entrati	ons of	param	eters r	ot to e	xceed	_		arks
heigh t from grou nd level (m		city of emiss ion sourc e	Fuel used	Quan tity	rol syste m(if any)	PM(mg/N m3)	CO(%)	Acid Mist(mg/N m3)	Pb(m g/Nm 3)	SO2(mg/N m3)	NOX (mg/ Nm3)	Othe rs	uenc y of samp ling	up- Unit	
30	RH bakin g furnac e(14 sec, 42MT /charg e)	42	СВМ	0 Metri c Tonne s/Day	ESP	150	1						Half- yearly	Metri c Tonne	
30	Tunne 1 kiln#1 (Re- bakin g furnac e, 4.6TP H)	4.6	CBM	250 Cubic Meter s/Hou r	Incine rator	150	1						Half- yearly	Metri c Tonne s/Hou r	
30	Tunne 1 kiln#2 (Re- bakin g furnac e, 4.6TP H)	4.6	CBM	250 Cubic Meter s/Hou r	Incine rator	150 /ES1	1 BE	NGA					Half- yearly	Metri c Tonne s/Hou r	
45	RH#2 bakin g furnac e(24 sec,3. 8TPH	3.8	СВМ	90 Cubic Meter s/Hou r	ESP	150							Half- yearly	Metri c Tonne s/Hou r	
45	RH#3 bakin g furnac e(24 sec,3. 8TPH	3.8	CBM	105 Cubic Meter s/Hou r	ESP	30	1						Half- yearly	Metri c Tonne s/Hou r	
30	TFH-3 nos. (4 lac-kcal/h r each) [PI#2]	12000	СВМ	120 Cubic Meter s/Hou r		150	1						Half- yearly	KCA L/HO UR	

45	RH#1 (24- sectio n, 80MT /charg e) & RH (16- sectio n, 80MT /charg e)	160	СВМ	Cubic Meter s/Hou r	ESP	150	1			y	Half- early	Metri c Tonne	
30	HGG- 4nos. (2 lac- kcal/h r each) [PI#2]	80000	СВМ	Cubic Meter s/Hou r	Water scrub ber	150	1				Half- early	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- early	Metri c Tonne s/Hou r	
14.1	DG set (500K VA) [of RH#1 (24- sectio ns)& RH- 16 sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour	((>.	150 VEST	1 BE	NGA		Y	Yearl y	KVA	
13.91	DG set (630K VA) [For Tunne Kiln]		HSD	1.02 Kilo Liters/ Hour		150	1)	Yearl y	KVA	
13.2	DG set (500K VA) [For RH#2 (24- sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour		150	1			Y	Yearl y	KVA	
13.2	DG set (500K VA) [For RH#2 (24- sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour		150	1			Y	Yearl y	KVA	

	1			1				1					
14.1	DG set (500K VA) [of RH#1 (24- sectio ns)& RH- 16 sectio	500	HSD	0.1 Kilo Liters/ Hour		150	1				Yearl y	KVA	
8.0	ns)] DG set (250K VA) [For LWG #3]	250	HSD	0.05 Kilo Liters/ Hour		150	1				Yearl y	KVA	
11.5	DG set (500K VA) [For LWG #4]	500	HSD	0.1 Metri c Tonne s/Day		150	1				Yearl y	KVA	
15.0	DG set (500K VA) [For RH#3, 24- sectio ns]	500	HSD	0.1 Kilo Liters/ Hour	W	150 ES1	1 BE	NGA	ادر		Yearl y	KVA	
13.27	DG set (1010 KVA) [For Extrus ion#2]	1010	HSD	0.2 Kilo Liters/ Hour		150					Yearl y	KVA	
7.5	DG set (250K VA) [For RH- 14 sectio ns]	250	HSD	0.05 Kilo Liters/ Hour		150	1				Yearl y	KVA	
13.27	DG set (1010 KVA) [For Extrus ion#2]	1010	HSD	0.2 Kilo Liters/ Hour		150	1				Yearl y	KVA	

13.2	DG	500	HSD	0.1	150	1				Yearl	KVA	
	set (500K VA) [For RH#2, 24- sectio ns]	-		Kilo Liters/ Hour	-					у		
14.1	DG set (500K VA) [of RH#1 (24- sectio ns)& RH- 16 sectio ns)]	500	HSD	0.1 Kilo Liters/ Hour	150	1				Yearl y	KVA	
14.5	DG set (750K VA) [FOR LWG #5]	750	HSD	0.15 Kilo Liters/ Hour	150	1				Yearl y	KVA	
13.91	DG set (630K VA) [For Tunne I Kiln]	630	HSD	0.12 Kilo Liters/ Hour	150 /EST	BE	NGA	L		Yearl y	KVA	
15.0	DG set (500K VA) [For RH#3, 24- sectio ns]	500	HSD	0.1 Kilo Liters/ Hour	150					Yearl y	KVA	
15.0	DG set (500K VA) [For RH#3, 24- sectio ns]	500	HSD	0.1 Kilo Liters/ Hour	150	1				Yearl y	KVA	
30	Mixtu re Fume Extrac tor (Nort h) [Extru sion#	0	NA	Metri c Tonne s/Day	150					Half- yearly	Metri c Tonne s/Day	

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Raym ond Mill Dust Collec tor (Extru sion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Scrap Syste m Dust Collec tor (Extru sion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Extrus ion#2 IRIC H Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Core Sampl ing Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Main Dust Collec tor (Extru sion# 1)	0	NA	Metri c Tonne s/Day	Bagfil ter	150 [EST	BE	NGA	_ ((Half- yearly	Metri c Tonne s/Day	
Finish ing Dust Collec tor (Unit# 3)	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Extrus ion#2 Raym ond Mill Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
Extrus ion#2 Silo Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150							Half- yearly	Metri c Tonne s/Day	
	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus ion#2 IRIC H Dust Collec tor Core Sampl ing Dust Collec tor Main Dust Collec tor (Extru sion# 1) Finish ing Dust Collec tor (Unit# 3) Extrus ion#2 Raym ond Mill Dust Collec tor (Unit# 3) Extrus ion#2 Raym ond Mill Dust Collec tor (Unit# 3)	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus ion#2 IRIC H Dust Collec tor Core Sampl ing Dust Collec tor Main Dust Collec tor (Extru sion# 1) Finish on ing Dust Collec tor (Unit# 3) Extrus ion#2 Raym ond Mill Dust Collec tor Extrus ion#2 Raym ond Mill Dust Collec tor	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus ion#2 IRIC H Dust Collec tor Core Sampl ing Dust Collec tor Main Dust Collec tor (Extru sion# 1) Finish o NA ing Dust Collec tor (Unit# 3) Extrus ion#2 Raym ond Mill Dust Collec tor Extrus ion#2 Raym ond NA Ing Dust Collec tor (Unit# 3)	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus ion#2 IRIC H Dust Collec tor Core Sampl ing Dust Collec tor Core Core Core Core Core Collec tor Core Sampl ing Dust Collec tor Core Sampl ing Dust Collec tor Core Tonne s/Day Main Dust Collec tor Finish o NA Metri c Tonne s/Day Finish o NA Metri c Tonne s/Day Finish o NA Metri c Tonne s/Day Extrus sion# 1) Finish o NA Metri c Tonne s/Day Extrus o NA Metri c Tonne s/Day Extrus collec tor (Unit# 3) Extrus o NA Metri c Tonne s/Day Extrus o NA Metri c Tonne s/Day Extrus o NA Metri c Tonne s/Day Extrus o NA Metri c Tonne s/Day	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus on	ond Mill Dust Collec tor (Extrusion# 1) Scrap Syste m Dust Collec tor (Extrusion# 1) Extrus ion#2 IRIC H Dust Collec tor Core Sampling Dust Collec tor Collec tor Core Sampling Dust Collec tor Collec tor Core Sampling Dust Collec tor Collec tor Collec tor Extrus ion#2 INIC H Metri c Tonne s/Day Extrus ion#3 O NA Metri c Tonne s/Day Extrus ion#4 INIC H Metri c Tonne s/Day Extrus ion#2 Raym ond Mill Dust Collec tor Extrus ion#2 Raym ond Metri c Tonne s/Day Bagfil 150 ter Tonne S/Day Bagfil 150 ter Tonne S/Day Bagfil 150 ter Tonne S/Day	ond Mill Dust Collec tor (Extru sion# 1) Scrap Syste m Dust Collec tor (Extru sion# 1) Extrus on tor (Extru sion# 1) Extrus on tor (Cotlec tor Cotlec tor Collec tor Collec tor (Extru sion# 1) Extrus on tor (Extru sion# 1) Extrus on tor (Extru sion# 1) Extrus on tor (Extru sion# 1) Finish on tor (Unit# 3) Extrus on tor (Unit# 4) Extrus on tor (Unit#	ond Mill Dust Collec tor (Extrus sion# 1) Extrus ion#2 IRIC H Dust Collec tor (Extrus sion# 1) Extrus ion#2 IRIC H Dust Collec tor (Extrus sion# 1) Extrus ion#2 IRIC H Dust Collec tor (Extrus sion# 1) Extrus ion # 10 NA Metri c Tonne s/Day Extrus ion # 10 NA Metri c Tonne s/Day Metri c Tonne s/Day Extrus ion# 1) Finish ing Dust Collec tor (Extrus sion# 1) Finish ing Dust Collec tor (Unit# 3) Extrus ion#2 Raym ond Metri c Tonne s/Day Extrus ion#2 Silo Dust Collec tor Collec Coll	ond Mill Dust Collector (Extrusion# 1) Scrap Syste m Dust Collector (Extrusion# 1) Scrap Syste m Dust Collector (Extrusion# 1) Scrap Syste m Dust Collector (Extrusion# 1) O NA Metri c Tonne s/Day ter	ond Mill Dust Collec tor (Extrus sion# 1) Scrap Syste m Dust Collec tor (Extrus sion# 1) Scrap Syste m Dust Collec tor (Extrus sion# 1) Collec tor (Extrus sion# 1) NA Metri c Tonne s/Day IRIC H Dust Collec tor Core Core Sampl ing Dust Collec tor Collec tor (Extrus sion# 1) Finish ing Dust Collec tor (Extrus sion# 1) Finish ing Dust Collec tor (Extru sion# 1) Extrus ion# S/Day Extrus on Main Dust Collec tor (Extru sion# 1) Extrus ion# S/Day Extrus on Main Dust Collec tor (Extru sion# 1) Extrus ion# S/Day Extrus on NA Metri c Tonne s/Day Extrus on Main Dust Collec tor Collec Collec tor Collec tor Collec Collec tor Collec tor Collec Collec tor Collec Collec tor Collec	Metri Cr Tonne Collector (Extrus sion# 1)	Ond Mill Dust Collec Collec Cor (Extrus 10 10 10 10 10 10 10 1	Metri Collector (Extrusion# 1)	Metri Collector Corner Corner

15	RH- 16 Stock Cleani ng Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
15	RH- 16 Jaw Crush er Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
15	Finish ing Unit# 2 Nippl e line Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
15	RH#1 24- Sectio n Stock Cleani ng Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150 /ES1	BE	NGA	L		Half- yearly	Metri c Tonne s/Day	
15	Carbo n Baked Scrap (CBS) Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150	T	7			Half- yearly	Metri c Tonne s/Day	
17.5	Finish ing#4, Electr ode Line Dust Collec tor Stack	0	NA	Metri c Tonne s/Day	Bagfil ter	30					Half- yearly	Metri c Tonne s/Day	
22	RH#3 24- Sectio n Stock Cleani ng Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	30					Half- yearly	Metri c Tonne s/Day	

30	Hot	27.6	CBM	120	Water	150	1				Half-	Metri	
	Gas Gener ator-4 nos. (6.9M T/char ge each)			Cubic Meter s/Hou r	scrub ber						yearly	c Tonne	
	each) [PI#3]												
17.5	Finish ing#4, Nippl e Line Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	30					Half- yearly	Metri c Tonne s/Day	
18	Aches on Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
17	Extrus ion#2 Scrap syste m Dust collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
30	RH#2 24- sectio n Stock Cleani ng Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150	BE	NGA			Half- yearly	Metri c Tonne s/Day	
15	Turni ng-1 Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
30	Coole r South (Extru sion# 1)	0	NA	Metri c Tonne s/Day		150					Half- yearly	Metri c Tonne s/Day	
30	TFH-3 nos. (4 lac-kcal/h r each) [PI#3]	12000	СВМ	120 Cubic Meter s/Hou r		150					Half- yearly	KCA L/HO UR	

	1								1				
30.5	TFH- 3nos. (15 lac- kcal/h r	45000 00	CBM	450 Cubic Meter s/Hou r		150	1				Half- yearly	KCA L/HO UR	
	each) [PI#4]												
15	Fine screen ing dust collec tor (By- produ ct unit)	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
15	PI#2 Turni ng Machi ne Dust Collec tor	0	NA	Metri c Tonne s/Day	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
15	PI#3 Turni ng Machi	0	NA	Metri c Tonne	Bagfil ter	150					Half- yearly	Metri c Tonne s/Day	
	ne Dust Collec tor			s/Day		/F07		100				S/Day	
30	Mixtu re Fume Extrac tor (Sout h) (Extru sion#	0	NA	Metri c Tonne s/Day	((150					Half- yearly	Metri c Tonne s/Day	
30	TFH-2 nos.(4 lac-kcal/h r each) [Extru	80000 0	СВМ	80 Cubic Meter s/Hou r		150	1				Half- yearly	KCA L/HO UR	
35.8	sion# 2] Pre- Heate r (4.8 lac- kcal/h r each) [PI#4]	19200	CBM	240 Cubic Meter s/Hou r		150	1				Half- yearly	KCA L/HO UR	

15.0	Finish	0	NA		Bagfil	150				Half-	Metri	
	ing			Metri	ter					yearly	c	
	Dust			c							Tonne	
	Collec			Tonne							s/Day	
	tor			s/Day								
	(Unit#											
	2)											

- 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.

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.

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

- The industry shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 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.
- 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.
- 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.
- 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.
- 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.
- The Industryshall maintain adequate number of qualified and trained personnel among its staff for propermaintenance and operation of the effluent treatment and/or emission control devices and for overallenvironment management of the industry.
- The Industry shall have to make registration for the use of groundwater if any, with State Water Investigation Directorate (SWID).
- 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.
- The industry shall make an application to the State Board in the prescribed form for renewal of the consent at lease 120 (one hundred & twenty) days before the date of expiry of this Consent.
- 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.
- The industry shall comply with all applicable Environmental Acts and Rules.
- The Industry shall comply with the provisions of relevant Waste Management Rules and also submit Annual Returns / Manifests on regular basis.
- 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





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, e-mail: wbpcbnet@wbpcb.gov.in

Memo No. // 4 /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, preprocessing, 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

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.
- 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 30th 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
Sagarbhanga, 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.



GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST. - BURDWAN E-MAIL : general_dgp@graphiteindla.com

To,
The Chief Engineer, O.S.D.
Waste Management Cell
West Bengal Pollution Control Board,
Paribesh Bhavan,
10A, L.A. Block, Sector - III
Salt Lake City.

2 2 DEC 2023

Shurt

CKED 998 909

20.12.2023

Ref: Environmental Clearance Identification No. EC23B020WB141674 dt: 10.03.2023

Sub: Application for revision of the Quantity in Form 2 "Grant of Authorization under the provisions of the Hazardous & other Waste (Management & Transboundary Movement) Rules, 2016 & Amendments."

Dear Sir,

Calcutta - 700 091.

This is in reference to the compliance of EC requirement Point I (vi) i.e " Project Proponent shall obtain authorization under Hazardous & Other Waste Management Rules, 2016 as mended from time to time".

We hereby apply for the revision in Quantity of HW generated for the total Consented Capacity of 67KTPA.

The quantity of HW proposed to be generated w.r.t to 67KTPA Finished capacity of Graphite Electrode is as given below: (Extract of EIA Report Page no. 182 &183).

Category	HW Items as mentioned in Authorization	HW Authorization Quantity for 52000MT Capacity	Proposed HW Generation for 67000MT Capacity (For Revision in Form 2)
5.1	Used Oil (KL/annum)	13.97	18.0
5.2	Oily cotton waste (MT/annum)	16.17	20.833
35.1	ESP COAL TAR RESIDUE (MT/annum)	214.90	480.9
B1/15.2	Discarded asbestos (MT/annum)	5.34	6.886
33.1	Empty Discarded Drum/container (MT/annum)	1.55	2.0
3.3	Waste oil/oil sludge (KL/annum)	14.39	18.5
35.3	ETP Sludge (MT/annum)	3.88	5.0

Above proposed generation quantity of HW has been given in EIA Application for EC & Environmental Clearance has been granted. CTO for the Expansion Capacity 15KTPA has also been obtained.

We therefore request to incorporate the figures of HW for 67KTPA in Form 2 & oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty

(Executive Vice President Works)

Encl: A/v

Registered Office: 31 Chowringhee Road, Kolkata - 700016 CIN - L10101WB1974PLC094602

Ph.: +91-33-40029600 Fax: +91-33-40029676

E-mail Id : gilro@graphiteindia.com Website : www.graphiteindia.com

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During the Construction phase, solid waste of about 1 TPD will be generated. Construction waste will be reused to the maximum possible and excess will be disposed through authorized vendors as per Construction and Demolition rules 2016.

o Construction phase

Table 2-13 Municipal Solid Waste Generation and Management

Waste	Quantity(kg/day)	Collection method	Treatment / disposal method	
Wasic	Proposed	method		
Organic	0.05	Bins	Disposed to Durgapur Municipal Corporation	
In Organic	0.02	Bins	Disposed to Durgapur Municipal Corporation	

o Operation Phase

Table 2-14 Municipal Solid Waste Generation and Management

***	Qu	antity(kg/day)		Collection	Treatment / disposal		
Waste	Existing	Existing Proposed		method	method		
Organic	76.05	0.02	76.07	D:	Disposed to Durgapur		
In Organic	19.01	0.01	19.02	Bins	Municipal Corporation		
Total	95.06	0.03	95.09				

Note: Values given based on the actual SW generation in the existing plant premises.

2. Hazardous Waste

Hazardous waste materials are properly disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016. Hazardous waste collection, storage & disposal to authorized recyclers.

Table 2-15 Hazardous waste generation and Management

	UoM	Waste		Quantity		Disposal method		
Description	00.71	Category	Existing	Proposed	Total			
Used oil	kL/ annum	5.1	10.145	7.855	18			
Waste oil	kL/ annum 3.3		9.575	8.925	18.5	Disposed through authorized vendor		
ESP coal tar residue	MTPA	35.1	270.965	209.935	480.9	as per WBPCB/		
Empty/ discarded drums/ containers/	MTPA	33.1	0.211	HITE INDIA L 1.789 uthorised Signa				

Senior Vice/Frasidant

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(Hazardous waste Authorization enclosed as Annexure 4)

2.1.8 Assessment of New & untested technology for the risk of technological failure

The proposed facilities are tested technologies and are available in the existing plant setup.

For GRAPHITE INDIA LTD

Authoristic Signator

G. Kriune

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O Ling.

^{*}FORM-4 figures of FY 20-21 submitted to WBPCB mentioned in existing column.

Annexure-3

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

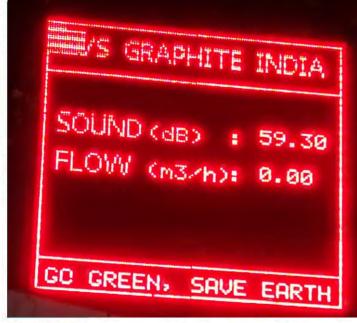
AMBIENT AIR QUALITY MONITORING STATION



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

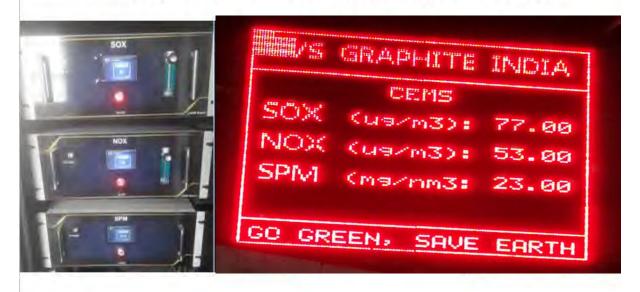
AMBIENT NOISE LEVEL MONITORING SYSTEM





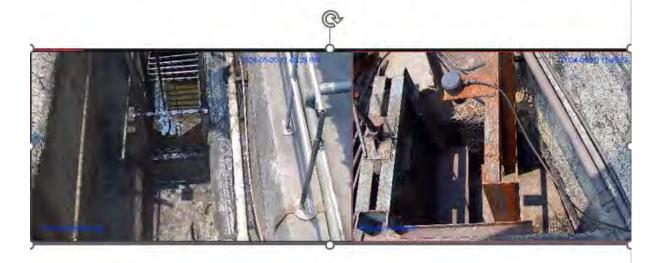
For EC compliance Ambient Noise level Monitoring Station Installed – Commissioning is in process

CONTINOUS 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.

Annexure-3A

AAQMSPM2.5_ENE02711_27_Nov_24_AAQ_DATA

Date Time	PM 2.5	SOx
	ug/m3	ug/m3
2024-08-31	53.3	41.17
2024-09-01	53.32	40.58
2024-09-02	53.32	41.02
2024-09-03	53.97	41.18
2024-09-04	53.29	40.81
2024-09-05	53.73	40.06
2024-09-06	53.2	41.4
2024-09-07	53.18	41.4
2024-09-08	53.21	40.39
2024-09-09	53.45	41.15
2024-09-10	53.6	41.01
2024-09-11	53.37	40.71
2024-09-12	53.63	40.57
2024-09-13	53.92	41.05
2024-09-14	53.69	41.96
2024-09-15	53.74	40.37
2024-09-16	53.2	40.92
2024-09-17	53.71	41.73
2024-09-18	53.35	41.2
2024-09-19	53.79	40.63
2024-09-20	53.33	41.34
2024-09-21	53.66	40.19
2024-09-22	53.15	41.03
2024-09-23	53.07	41.33
2024-09-24	53.14	40.5
2024-09-25	54	40.61
2024-09-26	53.02	40.62
2024-09-27	53.5	40.67

2024-09-28	53.17	41.15
2024-09-29	53.51	40.39
2024-09-30	53.36	41.32
2024-10-01	53.18	41.35
2024-10-02	53.52	42.02
2024-10-03	53.63	40.7
2024-10-04	53.96	40.9
2024-10-05	53.36	40.66
2024-10-06	53.64	40.62
2024-10-07	53.61	40.56
2024-10-08	53.55	41.07
2024-10-09	53.78	41.48
2024-10-10	53.72	41.43
2024-10-11	53.6	40.02
2024-10-12	53.63	41.28
2024-10-13	53.48	41.44
2024-10-14	53.03	40.6
2024-10-15	53.79	40.33
2024-10-16	52.98	40.42
2024-10-17	53.61	41.14
2024-10-18	53.5	41.4
2024-10-19	53.36	41.29
2024-10-20	53.43	40.88
2024-10-21	53.02	41.21
2024-10-22	53.67	40.76
2024-10-23	53.21	41.04
2024-10-24	53.6	41.04
2024-10-25	53.05	41.47
2024-10-26	53.66	41.12
2024-10-27	53.14	41.55
2024-10-28	53.63	40.95
2024-10-29	53.46	40.37
2024-10-30	53.41	40.68

2024-10-31	53.83	41
2024-11-01	53.52	41.29
2024-11-02	53.43	40.3
2024-11-03	53.7	40.22
2024-11-04	53.51	40.98
2024-11-05	53.83	40.93
2024-11-06	53.63	41
2024-11-07	53.7	40.56
2024-11-08	53.8	41.24
2024-11-09	53.61	41.36
2024-11-10	53.69	40.68
2024-11-11	53.84	40.95
2024-11-12	52.75	40.38
2024-11-13	53.32	41.43
2024-11-14	53.79	40.65
2024-11-15	53.53	39.79
2024-11-16	53.4	41.04
2024-11-17	53.63	40.15
2024-11-18	53.13	40.43
2024-11-19	53.45	40.09
2024-11-20	53.56	41.37
2024-11-21	53.7	41.46
2024-11-22	53.41	40.28
2024-11-23	53.12	40.69
2024-11-24	53.61	40.7
2024-11-25	53.66	40.41
2024-11-26	53.6	40.5
2024-11-27	52.68	40.42

AAQMSPM10_ENE02662_27_Nov_24_AAQ_DATA

Date Time	PM 10	NOx
	ug/m3	ug/m3
2024-08-31	72.21	44.94
2024-09-01	72.42	44.86
2024-09-02	72.36	44.74
2024-09-03	71.53	45.56
2024-09-04	71.47	45.33
2024-09-05	73.1	43.65
2024-09-06	71.69	45.67
2024-09-07	72.94	45.67
2024-09-08	71.77	45.1
2024-09-09	72.22	44.71
2024-09-10	70.83	45.47
2024-09-11	71.99	44.85
2024-09-12	72.28	44.56
2024-09-13	71.84	45.33
2024-09-14	72.32	45.26
2024-09-15	73.7	45.44
2024-09-16	72.59	45.17
2024-09-17	72.4	45.15
2024-09-18	72.67	45.02
2024-09-19	72.51	44.66
2024-09-20	72.27	44.84
2024-09-21	71.85	44.76
2024-09-22	72.33	45.03
2024-09-23	73.28	44.65
2024-09-24	71.71	44.7
2024-09-25	72.97	45.7
2024-09-26	72.85	44.67
2024-09-27	72.32	45.12

2024-09-28	72.71	45
2024-09-29	71.86	45.12
2024-09-30	72.22	44.18
2024-10-01	71.82	44.7
2024-10-02	72.43	44.44
2024-10-03	71.79	44.27
2024-10-04	71.93	44.99
2024-10-05	71.53	45.22
2024-10-06	72.84	44.7
2024-10-07	72.61	44.68
2024-10-08	72.45	45.45
2024-10-09	71.64	45.53
2024-10-10	71.71	44.69
2024-10-11	73.33	44.25
2024-10-12	72.97	44.7
2024-10-13	72.94	44.35
2024-10-14	73.27	44.64
2024-10-15	72.16	44.62
2024-10-16	72.42	44.06
2024-10-17	72.1	45.39
2024-10-18	72.12	45.27
2024-10-19	72.7	45.02
2024-10-20	71.56	45.2
2024-10-21	73.61	45.63
2024-10-22	71.89	45.26
2024-10-23	72.84	44.88
2024-10-24	72.57	45.37
2024-10-25	72.33	45.41
2024-10-26	72.65	45.03
2024-10-27	72.78	44.64
2024-10-28	72.72	44.06
2024-10-29	73.38	45.41
2024-10-30	72.23	44.46

2024-10-31	71.56	45.21
2024-11-01	72.35	44.78
2024-11-02	71.71	44.83
2024-11-03	72.61	45.93
2024-11-04	71.35	45.44
2024-11-05	72.65	45.08
2024-11-06	72.76	44.65
2024-11-07	72.73	44.91
2024-11-08	72.19	44.66
2024-11-09	72.71	45.36
2024-11-10	72.34	44.29
2024-11-11	72.03	44.6
2024-11-12	73.14	45.75
2024-11-13	72.89	45.54
2024-11-14	73.85	45.11
2024-11-15	72.95	44.74
2024-11-16	73.16	44.34
2024-11-17	73	45.33
2024-11-18	72.09	45.23
2024-11-19	72.47	44.36
2024-11-20	72.52	44.98
2024-11-21	72.17	44.18
2024-11-22	72.14	45.39
2024-11-23	73.4	45.26
2024-11-24	73	45
2024-11-25	72.96	44.54
2024-11-26	71.3	44.64
2024-11-27	72.2	45.47

CEMS_ENE02510_27_Nov_24_AAQ_DATA

B. J. Turk	00.	212	. 15
Date Time	SOx	Suspend	ed Particula
	mg/nm3	mg/nm3	mg/Nm3
2024-08-31	77.45	59.01	21.54
2024-09-01	78.62	57.96	21.94
2024-09-02	78.63	59.47	21.03
2024-09-03	78.13	59.42	21.67
2024-09-04	75.51	58.64	21.38
2024-09-05	75.59	57.64	22.1
2024-09-06	75.3	57.98	21.83
2024-09-07	75.5	57.8	21.94
2024-09-08	76.98	58	21.17
2024-09-09	75.15	58.26	21.48
2024-09-10	76.85	57.3	22.36
2024-09-11	78.78	57.72	21.76
2024-09-12	78.2	58.92	21.64
2024-09-13	77.12	59.36	21.78
2024-09-14	77.91	58.47	21.23
2024-09-15	78.34	57.73	21.52
2024-09-16	79.02	57.81	21.4
2024-09-17	75.14	58.33	21.95
2024-09-18	75.35	57.27	21.69
2024-09-19	78.37	57.58	21.3
2024-09-20	77.37	58.7	21.61
2024-09-21	79.09	58.96	21.76
2024-09-22	79.26	57.88	21.23
2024-09-23	79.02	57.19	21.44
2024-09-24	77.73	58.3	21.76
2024-09-25	78.5	57.13	21.79
2024-09-26	77.13	58.87	21.67
2024-09-27	78.85	57.52	22.74

2024-09-28	78.72	57.24	21.36
2024-09-29	78.37	57.31	21.18
2024-09-30	78.53	58.11	21.92
2024-10-01	78.14	57.48	21.57
2024-10-02	78.8	58.4	21.43
2024-10-03	78.27	57.98	21.76
2024-10-04	78.08	57.31	21.77
2024-10-05	78.1	57.67	20.82
2024-10-06	78.41	57.64	21.37
2024-10-07	78.66	58.69	21.78
2024-10-08	77.28	58.49	21.54
2024-10-09	77.38	58.52	21.69
2024-10-10	77.83	57.74	21.41
2024-10-11	77.85	57.88	21.45
2024-10-12	78.63	57.8	21.67
2024-10-13	77.29	57.87	21.46
2024-10-14	77.76	58.49	22.17
2024-10-15	78.34	58.47	21.43
2024-10-16	77.7	58.91	22.04
2024-10-17	78.34	58.35	21.9
2024-10-18	78.13	57.32	21.45
2024-10-19	78.3	58.66	21.46
2024-10-20	77.81	57.64	21.06
2024-10-21	78.66	57.87	21.45
2024-10-22	76.64	58.99	21.91
2024-10-23	78.07	57.88	21.6
2024-10-24	77.76	58.86	21.61
2024-10-25	78.02	57.16	21.45
2024-10-26	78.87	57.96	21.56
2024-10-27	77.58	58.13	21.68
2024-10-28	79.31	59.26	21.62
2024-10-29	77.66	58.93	21.81
2024-10-30	78.5	58.72	21.82

2024-10-31	78.47	57.06	21.71
2024-11-01	77.97	58.71	21.88
2024-11-02	79.01	57.72	22.34
2024-11-03	77.75	58.57	22.08
2024-11-04	77.55	57.34	22.03
2024-11-05	79.19	57.37	22.23
2024-11-06	78.16	58.7	21.25
2024-11-07	78.67	58.05	21.62
2024-11-08	75.19	58.6	21.89
2024-11-09	78.48	57.47	22.04
2024-11-10	78.4	59.32	21.8
2024-11-11	79.02	57.2	21.43
2024-11-12	78.16	58.57	21.77
2024-11-13	78.18	57.97	20.84
2024-11-14	78.22	58.68	21.68
2024-11-15	78.62	57.95	22.15
2024-11-16	77.16	57.91	21.97
2024-11-17	77.57	58.88	21.35
2024-11-18	78.99	58.71	21.73
2024-11-19	76.93	58.4	21.4
2024-11-20	77.88	57.71	21.18
2024-11-21	78.67	58	21.72
2024-11-22	78.78	58.44	21.79
2024-11-23	78.93	58.19	21.73
2024-11-24	78.89	58.35	21.12
2024-11-25	78.52	57.93	21.68
2024-11-26	78.87	57.73	21.51
2024-11-27	77.94	57.36	21.02

ENE03305_ENE03305_27_Nov_24_AAQ_DATA

Date Time	Sound Leve
	dB
2024-08-31	62.81
2024-09-01	61.32
2024-09-02	62.68
2024-09-03	62.42
2024-09-04	61.6
2024-09-05	62.35
2024-09-06	62.08
2024-09-07	63.57
2024-09-08	62.71
2024-09-09	62.04
2024-09-10	62.26
2024-09-11	61.4
2024-09-12	62.43
2024-09-13	62.36
2024-09-14	64.67
2024-09-15	63.78
2024-09-16	68.09
2024-09-17	71.86
2024-09-18	66.92
2024-09-19	63.62
2024-09-20	62.48
2024-09-21	62.08
2024-09-22	62.37
2024-09-23	62.78
2024-09-24	61.38
2024-09-25	63.64
2024-09-26	62.68
2024-09-27	62.4

I	l
2024-09-28	62.47
2024-09-29	61.54
2024-09-30	61.67
2024-10-01	61.74
2024-10-02	60.44
2024-10-03	60.84
2024-10-04	61.18
2024-10-05	62.17
2024-10-06	61.11
2024-10-07	61.87
2024-10-08	62.55
2024-10-09	63.77
2024-10-10	63.19
2024-10-11	63.69
2024-10-12	63.09
2024-10-13	64.28
2024-10-14	62.91
2024-10-15	62.94
2024-10-16	62.77
2024-10-17	64.7
2024-10-18	61.58
2024-10-19	61.27
2024-10-20	62.93
2024-10-21	63.47
2024-10-22	63.83
2024-10-23	62.54
2024-10-24	63.22
2024-10-25	61.81
2024-10-26	61.89
2024-10-27	61.41
2024-10-28	61.2
2024-10-29	62.41
2024-10-30	62.72
'	

2024-10-31	63.88
2024-11-01	63.22
2024-11-02	62.64
2024-11-03	60.35
2024-11-04	63.29
2024-11-05	61.72
2024-11-06	62.82
2024-11-07	64.77
2024-11-08	62.48
2024-11-09	64.1
2024-11-10	63.47
2024-11-11	64.35
2024-11-12	63.16
2024-11-13	63.52
2024-11-14	64.22
2024-11-15	62.4
2024-11-16	59

Flow Meter ID FLM12567

Site FLM12567-Extrusion 2

Place Durgapur

Date		Initial Flow	Final Flow (Daily Flow (m3	3)
	01-09-2024	0	0	0	
	02-09-2024	0	0	0	
	03-09-2024	0	0	0	
	04-09-2024	0	0	0	
	05-09-2024	0	0	0	
	06-09-2024	0	0	0	
	07-09-2024	0	0	0	
	08-09-2024	0	0	0	
	09-09-2024	0	0	0	
	10-09-2024	0	0	0	
	11-09-2024	0	0	0	
	12-09-2024	0	0	0	
	13-09-2024	0	0	0	
	14-09-2024	0	0	0	
	15-09-2024	0	0	0	
	16-09-2024	0	0	0	
	17-09-2024	0	0	0	
	18-09-2024	0	0	0	
	19-09-2024	0	0	0	
	20-09-2024	0	0	0	
	21-09-2024	0	0	0	
	22-09-2024	0	0	0	
	23-09-2024	0	0	0	
	24-09-2024	0	0	0	
	25-09-2024	0	0	0	
	26-09-2024	0	0	0	
	27-09-2024	0	0	0	
	28-09-2024	0	0	0	
	29-09-2024	0	0	0	
	30-09-2024	0	0	0	

Flow Meter ID FLM12775

Site FLM12775. Finishing 3

Place Durgapur

Date	Initial Flow	Final Flow (Daily Flow (m3)
01-09-2024	0	0	0
02-09-2024	0	0	0
03-09-2024	0	0	0
04-09-2024	0	0	0
05-09-2024	0	0	0
06-09-2024	0	0	0
07-09-2024	0	0	0
08-09-2024	0	0	0
09-09-2024	0	0	0
10-09-2024	0	0	0
11-09-2024	0	0	0
12-09-2024	0	0	0
13-09-2024	0	0	0
14-09-2024	0	0	0
15-09-2024	0	0	0
16-09-2024	0	0	0
17-09-2024	0	0	0
18-09-2024	0	0	0
19-09-2024	0	0	0
20-09-2024	0	0	0
21-09-2024	0	0	0
22-09-2024	0	0	0
23-09-2024	0	0	0
24-09-2024	0	0	0
25-09-2024	0	0	0
26-09-2024	0	0	0
27-09-2024	0	0	0
28-09-2024	0	0	0
29-09-2024	0	0	0
30-09-2024	0	0	0



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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbhar	.0. – Sagarbhanga, Durgapur, Pin – 713211									08.08.2024			
									Period of Analysis				13.08.2024 - 14.08.2024		
						Date of Issue					:	16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plar	n	:	No	Ту	ре о	of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sample ID No. : ENV/23/Aug./A/I					Report No. : El			EN	IV/2	23/Aug./TR(A)/	I/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reid Hammer Furnace (Baking Furnace) (Stack	No.12) (14 Section)			
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.)	:	0.8	0
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	10.	5
Emission Due to	:	Combustion of CBM and Baking of Electrodes				
Fuel Used	:	C.B.M	Permanent Platform & Ladder		:	Yes
Working Fuel Consumption	:	90 m ³ /hr.				
Pollution Control Device	:	E.S.P				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	19.44	N.A.
2.	Concentration of NO _x	mg/Nm³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	23.83	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	25.02	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07) : 2017			

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

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi



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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbhai	nga, Durgap	ur, l	Pin - 713211		Sampling Date					08.08.2024			
									Period of Analysis				13.08.2024 - 14.08.2024		
							Date of Issue				:	16.08.2024			
Sampling Plan &		ENV/SOP/01	Deviation	fror	m the Sampling Method and	P	lan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure															
Sample Condition		Sealed Sample ID No. : ENV/23/Aug./A/II					Report No. : El			ΕN	IV/2	23/Aug./TR(A)/	II/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reid Hammer Furnace (Baking Furnace) (RH -	16 & RH - 24 - 1 Section)(Stack	No.	13)	
Shape of Stack	:	Circular	Height of Stack (mtr.) (from	:	45.	0
			G. L.)			
Materials of	:	M.S.	Stack I.D. at sampling point	:	1.8	
Construction			(mtr.)			
Capacity	:		Height of sampling port	:	33.	0
			(mtr.) (from G.L.)			
Emission Due to	:	Combustion of CBM and Baking of Electrodes				
Fuel Used	:	C.B.M	Permanent Platform & Ladden	ſ	:	Yes
Working Fuel	:	170 m³/hr.				
Consumption						
Pollution Control Device	:	E.S.P				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019		15.60	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	17.65	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	-:	3.6	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	32.98	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbhar	.0. – Sagarbhanga, Durgapur, Pin – 713211									08.08.2024	ŀ		
			0 01						Period of Analysis				13.08.2024 - 14.08.2024		
						Date of Issue						16.08.2024	ŀ		
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and I	Plan		:	No	Ту	ре	of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sample ID No. : ENV/23/Aug./A/III					Report No. : El			EN	IV/	23/Aug./TR((A)/	III/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	P. I Unit - 2 (Thermo Pack Stack) (Stack No.1	6)			
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.)		0.4	0
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 ³ /hr.				
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	39.84	N.A.
2.	Concentration of NO _x	mg/Nm³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	41.93	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	15.70	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07) : 2017			

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

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbhar	ıga, Durgap	ur, I	Pin – 713211		Sampling Date					09.08.2024			
									Period of Analysis				13.08.2024 - 14.08.2024		
							Date of Issue				:	16.08.2024			
Sampling Plan &		ENV/SOP/01	Deviation	fror	n the Sampling Method and	P	lan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sample ID No. : ENV/23/Aug./A/IV					Report No. : El			ΕN	IV/2	23/Aug./TR(A)/	IV/24-25	

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.)	:	0.4	0
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 ³ /hr.				
Pollution Control Device	:	Water Spray & Cooling Chamber				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	44.65	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	47.67	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.2	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	94.25	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07) : 2017			

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

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018





TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								Graphite U	nit		
Address	:	P.O. – Sagarbhai	nga, Durgap	ur,	Pin - 713211	Sampl	ing I	Date		:	06.08.2024			
		_							S	:	13.08.2024 - 14.08.2024			
						Date o	f Iss	ssue			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	ре о	of Sample	:	Stack Emission	
Procedure									-					
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/V	Repor	t No	. :	EN	NV/23/Aug./TR(A)/V/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Dust Collector (Unit - 2) (Stack No.20)			
Shape of Stack	:	Circular		15.	0	
Materials of Construction	:	M.S.		0.9		
Capacity	:		:	11.	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. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	45.50	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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

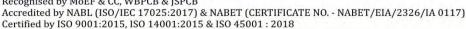
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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi









TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:	Graphite U	nit			
Address	:	P.O Sagarbhai	.O. – Sagarbhanga, Durgapur, Pin – 713211								:	06.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
						Date of Issue					16.08.2024					
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and I	Plan		:	No	Ту	pe (of Sample	:	Stack Emission		
Procedure																
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/23/Aug./A/VI	Rep	ort l	A/VI Report No. : ENV/23/Aug./TR(A)/VI				23/Aug./TR((A)/	VI/24-25		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Fine Screening Dust Collector (Stack No.21)					
Shape of Stack	:	Circular	:	15.	0		
Materials of Construction	:	M.S.	:	0.5	6		
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Process Activity					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	:	Yes	
Working Fuel Consumption	:	N.A.					
Pollution Control Device	:	Bag Filter					

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	: 45.16	150.0				
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ ^ ~		(Vol.11.07): 2017						

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

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Туре о	f Inc	lustry		:	Graphite Unit						
Address	:	P.O Sagarbha	nga, Durgap	ur,	Pin - 713211	Sampling Date				:	10.08.2024			
									S	::	13.08.2024 - 14.08.2024			
						Date o	f Iss	ssue			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/VII	Report	No.	:	EN	ENV/23/Aug./TR(A)/VII/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tunnel Kiln -1 (Re-Baking Furnace) (Stack No.2	(3)					
Shape of Stack	:	Circular	:	30.	0			
Materials of Construction	:	M.S.	:	0.7	3			
Capacity	:	4.6 TPH	Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Combustion of CBM						
Fuel Used	:	C.B.M	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	85 m³/hr.						
Pollution Control Device	:	Incinerator						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	65.60	N.A.
2.	Concentration of NO _x	mg/Nm³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	77.69	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019		3.4	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	27.98	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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 :

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Branch Office : * Siliguri * Haldia * Durgapur * Dhanbad * Gangtok * Port Blair * Dehradun * New Delhi



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 Industry	:	Graphite India I	Type o	f Inc	dustry		:	Graphite U	nit					
Address	:	P.O Sagarbha	nga, Durgap	ur,	Pin – 713211	Sampling Date				:	10.08.2024			
									S	:	13.08.2024 - 14.08.2024			
						Date of	f Issue			:	16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe c	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/VIII	Report	No.	:	EN	ENV/23/Aug./TR(A)/VIII/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Finishing Dust Collector (Unit - 3) (Stack No.24)			
Shape of Stack	:	Circular	13.	0		
Materials of Construction	:	M.S.	0.7	8		
Capacity	:		:	9.0		
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes
Working Fuel Consumption	:	-				
Pollution Control Device	:	Bag Filter				

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	28.94	150.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
			(Vol.11.07): 2017						

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:

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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 Industry	:	Graphite India Ltd.						Type of Industry			:	Graphite U	nit	
Address	:	P.O. – Sagarbhanga, Durgapur, Pin – 713211					Sampling Date				:	08.08.2024		
								Period of Analysis			:	13.08.2024 - 14.08.2024		
			Date of Issue					16.08.2024						
Sampling Plan &	:	ENV/SOP/01	Deviation from the Sampling Method and I		Plaı	n	:	No Tyj		Type of Sample		:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/23/Aug./A/IX	R	leport l	No.	:	ENV/23/Aug./TR(A)/IX/24-25				

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.)	:	0.4	0		
Capacity	:		Height of sampling port (mtr.) (from G.L.)			28.0		
Emission Due to	:	Combustion of CBM						
Fuel Used : CBM		CBM	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	60 m ³ /hr.						
Pollution Control Device	:	Water Spray and Cooling Chamber						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	68.08	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	78.58	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019		3.6	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.33	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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
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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	td.				Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sagarbhar	ıga, Durgaj	Pin – 713211	3	Samplii	ng D	ate		:	10.08.2024			
									nalysis	: 13.08.2024 - 14.08.2024				4.08.2024
						I	Date of	Issu	ıe		: 16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and	Pla	lan		No	Ту	pe o	of Sample	:	Stack Emission
Procedure														
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/23/Aug./A/X	I	Report	No.	:	EN	IV/2	23/Aug./TR	(A)/	X/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tunnel Kiln – 2 (Re-Baking Furnace) (Stack – 2	5)						
Shape of Stack	:	Circular	G. L.)						
Materials of Construction	:	M.S.	:	0.7	30				
Capacity	:	4.6 TPH	Height of sampling port (mtr.) (from G.L.)						
Emission Due to	:	Combustion of CBM							
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes			
Working Fuel Consumption	:	140 kg./hr.							
Pollution Control Device	:	Incinerator							

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	72.0	N.A.
2.	Concentration of NO _x	mg/Nm³	IS 11255 (Part 7) : 2017 / ASTM D 1608-98,	:	79.90	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.6	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	18.50	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07) : 2017			

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:

H.O.

DURBADAL CHAKRABORTY
Dy. Quality Manager

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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:			
Address	:	P.O Sagarbhai	P.O. – Sagarbhanga, Durgapur, Pin – 713211								: 08.08.2024			
									Period of Analysis : 13.08.2024 - 14.08.2024					4.08.2024
						Dat	te of	Issu	ıe		: 16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan		:	No	Ту	pe (of Sample	:	Stack Emission
Procedure														
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/23/Aug./A/XI	Rej	port l	No.	:	EN	NV/23/Aug./TR(A)/XI/24-25			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P. I. Unit - 3 (Thermo Pack Stack) (Stack No.27)						
Shape of Stack	:	Circular	G. L.)					
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.4	0		
Capacity	:		Height of sampling port : (mtr.) (from G.L.)					
Emission Due to	:	Combustion of CBM						
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	70 m ³ /hr.						
Pollution Control Device	:	Nil						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	51.74	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7) : 2017 / ASTM D 1608-98,	:	60.03	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	20.70	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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:

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Dy. Quality Manager

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Graphite India l	Ltd.			Type o	f Inc	lustry		: Graphite Unit				
Industry														
Address	:	P.O Sagarbha	P.O. – Sagarbhanga, Durgapur, Pin – 713211								09.08.2024			
									S		13.08.2024 - 14.08.2024			
						Date of	Issi	ue			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XII	Report	No.	:	EN	NV/23/Aug./TR(A)/XII/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Acheson Dust Collector (Stack - 34)						
Shape of Stack	:	Rectangular	Height of Stack (mtr.) (from G. L.)	:	18.	0		
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8	0 x 0.32		
Capacity	:		Height of sampling port : (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	N.A.						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D :	24.90	150.0				
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
			(Vol.11.07): 2017						

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								: Graphite Ui				
Address	:	P.O Sagarbhai	nga, Durgap	ur, l	Pin – 713211		Samplin	g D	ate			05.08.2024			
							Period o	Period of Analysis				13.08.2024 - 14.08.2024			
							Date of l	Issu	ie	: 16.08.2024					
Sampling Plan &		ENV/SOP/01	Deviation	froi	n the Sampling Method and	Pl	lan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure															
Sample Condition		Sealed Sampl	le ID No.	:	ENV/23/Aug./A/XIII		Report I	No.	:	ΕN	ENV/23/Aug./TR(A)/XIII/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RH - 24 (II) Furnace (Stack - 36)							
Shape of Stack	:	Circular	G. L.)						
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.6	0			
Capacity	:	80 MT/Charge	ge Height of sampling port (mtr.) (from G.L.)						
Emission Due to	:	Combustion of CBM							
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes			
Working Fuel Consumption	:	120 m ³ /hr.							
Pollution Control Device	:	E.S.P							

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	58.75	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7) : 2017 / ASTM D 1608-98,	:	68.87	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	-:	3.6	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	24.50	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:	Graphite U	nit			
Address	:	P.O Sagarbhai	P.O. – Sagarbhanga, Durgapur, Pin – 713211									07.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
							Date of Issue				:	16.08.2024				
Sampling Plan &		ENV/SOP/01	Deviation	froi	n the Sampling Method and	Pl	lan	:	No	Ту	pe o	of Sample	:	Stack Emission		
Procedure																
Sample Condition		Sealed Sampl	le ID No.	:	ENV/23/Aug./A/XIV		Report I	No.	:	ΕN	NV/23/Aug./TR(A)/XIV/24-25					

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing Unit - 3 (South Side) Nipple Dust Col	lector (Stack – 37)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0
Materials of Construction	:	M.S.	0.7	0		
Capacity	:		:	8.0		
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D	: 20.38	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ / / /		(Vol.11.07) : 2017		

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit			
Address	:	P.O Sagarbhar	P.O. – Sagarbhanga, Durgapur, Pin – 713211								:	07.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
						Date of Issue						16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan	ì	:	No	No Typ		Type of Sar		of Sample	:	Stack Emission
Procedure																
Sample Condition	:	Sealed Sampl	ed Sample ID No. : ENV/23/Aug./A/XV Report No. :					EN	VV/	23/Aug./TR(A)/	XV/24-25				

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.	S. Stack I.D. at sampling point : (mtr.) Height of sampling port :						
Capacity	:		9.1	.4					
Emission Due to	:	Process Activity							
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	•	:	Yes			
Working Fuel Consumption	:	N.A.							
Pollution Control Device	:	Bag Filter							

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	: 17.80	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ ^ ~		(Vol.11.07): 2017		

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:

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Type of Industry					:	Graphite U	nit					
Address	:	P.O Sagarbha	P.O. – Sagarbhanga, Durgapur, Pin – 713211								:	08.08.2024			
									Period of Analysis				13.08.2024 - 14.08.2024		
						Date of Issue				:	16.08.2024	ŀ			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and I	Plan		:	No	No Ty		of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XVI	Rep	ort l	No.	:	EN	ENV/23/Aug./TR(A)/XVI/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	RH - 16 Stock Cleaning Machine Dust Collec	tor (Stack – 39)					
Shape of Stack	:	Rectangular	Rectangular Height of Stack (mtr.) (from G. L.)					
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.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	N.A.						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	40.48	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
			(Vol.11.07) : 2017		

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







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I			Туре	Type of Industry			:	Graphite U	nit		
Address	:	P.O Sagarbha	P.O. – Sagarbhanga, Durgapur, Pin – 713211							:	05.08.2024		
									ysis	:	13.08.2024 - 14.08.2024		
						Date of Issue			:	16.08.2024	ŀ		
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	lo Type		of Sample	:	Stack Emission
Procedure													
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XVII	Repo	rt No).	:	ENV/23/Aug./TR(A)/XVII/24-25			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	RH - 24 (II) Stock Cleaning Machine	Dust Collector (Stack - 40)						
Shape of Stack	:	Circular	G. L.)						
Materials of Construction	:	M.S.	S. Stack I.D. at sampling point : 0 (mtr.)						
Capacity	:	-	:	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							

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	: 16.24	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ ^2		(Vol.11.07): 2017		

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite Unit			
Address	:	P.O Sagarbhar	ıga, Durgap	ur, l	Pin – 713211	Sam	pling	Da	ate	: 07.08.2024					
						Period of Analysis					:	13.08.2024 - 14.08.2024			
						Date of Issue				:	16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	fror	n the Sampling Method and I	Plan	:		No	Ty	pe o	of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/23/Aug./A/XVIII	Repo	ort N	o. : El			V/2	/23/Aug./TR(A)/XVIII/24-25			

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.)	:	0.2	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. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	33.53	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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.

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.							:	Graphite U	nit		
Address	:	P.O Sagarbhar	ıga, Durgap	ur, l	Pin – 713211	Samp	ling I	ate	ate : 09.08.2024					
						Period of Analysis				:	13.08.2024 - 14.08.2024			
						Date	Date of Issue :				16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fror	n the Sampling Method and I	Plan	:	No	Ty	pe (of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Sampl	ealed Sample ID No. : ENV/23/Aug./A					Report No. : E			/23/Aug./TR(A)/XIX/24-25			

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	:	15.	0
			G. L.)			
Materials of	:	M.S.	Stack I.D. at sampling point	:	0.2	5
Construction			(mtr.)			
Capacity	:		Height of sampling port	:	3.0	
			(mtr.) (from G.L.)			
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes
Working Fuel	:	N.A.				
Consumption						
Pollution Control Device	:	Bag Filter				

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	: 19.75	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ ^2		(Vol.11.07): 2017		

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.

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbh	anga, Durgaj	our,	Pin - 713211	Sam	Sampling Date				:	09.08.2024			
						Period of Analysis				S	:	13.08.2024	13.08.2024 - 14.08.2024		
						Date	of I	of Issue :				16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and I	Plan		:	No	Тур	oe o	of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sam	ealed Sample ID No. : ENV/23/Aug./A/XX						:	ENV/23/Aug./TR(A)/XX/24-25			XX/24-25		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P.I 3 Turning Machine Dust Colle	ector (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.)	:	0.2	5
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. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D	:	35.92	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
	/ ^ ~ ?		(Vol.11.07): 2017			

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.

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Туре	f Inc	lustry		:	Graphite Unit						
Address	:	P.O Sagarbha	nga, Durgap	ur,	Pin - 713211	Sampling Date				:	10.08.2024	10.08.2024		
									s	:	13.08.2024 - 14.08.2024			
						Date o	ite of Issue				16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	pe o	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXI	Report No. : ENV/23/Aug./TR(A)/XXI/2				XXI/24-25				

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.)	:	0.9	5
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 ³ /hr.				
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
110.	6	/NT 2	10.44.055 (D. + 0) 0.040		F (0)	27.4
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019		56.24	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	60.92	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.6	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	7.30	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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.

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Dy. Quality Manager

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								:	Graphite U	nit			
Address	:	P.O Sagarbhai	P.O. – Sagarbhanga, Durgapur, Pin – 713211									07.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
							Date of I	e of Issue				16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	fror	n the Sampling Method and	P	lan	:	No	Ту	pe (of Sample	:	Stack Emission		
Procedure																
Sample Condition		Sealed Sampl	le ID No.		ENV/23/Aug./A/XXII		Report N	Vo.	:	ENV/23/Aug./TR(A)/XXII/24-25				XXII/24-25		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	P.I. – 4 (Pre-Heater) (Stack – 45)						
Shape of Stack	:	Height of Stack (mtr.) (from G. L.)	:	35.	8			
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)		1.1	5		
Capacity	:		Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Combustion of CBM						
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	60 m ³ /hr.						
Pollution Control Device	:	Nil						

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	:	60.34	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	67.98	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.4	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.80	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07): 2017			

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:

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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 Industry	:	Graphite India I	Type o	f Inc	dustry		:	Graphite U	nit					
Address	:	P.O Sagarbha	nga, Durgap	ur,	Pin - 713211	Sampli	ng I	Date : 06.08.2024						
									S	:	13.08.2024 - 14.08.2024			
						Date o	f Iss	ue		:	16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure														
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXIII	Report	No.	:	ENV/23/Aug./TR(A)/XXIII/24-25				XXIII/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	RH - 24 II Jaw Crusher Machine Dust Co	llector (Stack – 46)					
Shape of Stack	G. L.)							
Materials of Construction	:	M.S.		0.4	8			
Capacity	:	-	Height of sampling port : (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	-						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	RAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	: 16.34	150.0				
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ ^ ~		(Vol.11.07): 2017						

Remarks : Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

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DURBADAL CHAKRABORTY Dy. Quality Manager **Authorised Signatory:**

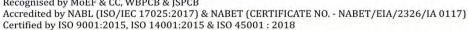
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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Type o	f Inc	dustry		:	Graphite U	nit					
Address	:	P.O Sagarbha	nga, Durga _l	ur,	Pin - 713211	Sampli	ng I	ate		: 10.08.2024				
								nalysi	S	::	13.08.2024 - 14.08.2024			
						Date o	f Iss	ue			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure					_				_					
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXIV	Report	No.	:	ENV/23/Aug./TR(A)/XXIV/24-25				XXIV/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Raid Hammer - 16 Jaw Crusher Machine Du	st 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 : 0.80 (mtr.)						
Capacity	:		Height of sampling port : (mtr.) (from G.L.)						
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.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	: 11.10	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
			(Vol.11.07) : 2017		

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite Inc	Graphite India Ltd.							ustry		:	Graphite U	nit		
Address	:	P.O Sagar	rbhan	ga, Durgap	Pin - 713211		Samplin	ng D	ate		:	09.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
								Date of	e of Issue				16.08.2024			
Sampling Plan &	:	ENV/SOP/0	01	Deviation	fro	m the Sampling Method and	P	lan	:	No	Туј	pe c	of Sample	:	Stack Emission	
Procedure																
Sample Condition	:	Sealed Sa	ample	e ID No.	:	ENV/23/Aug./A/XXV		Report	No.	:	EN	ENV/23/Aug./TR(A)/XXV/24-25				

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.		0.3	0			
Capacity	:		Height of sampling port : (mtr.) (from G.L.)					
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. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT			
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D	:	30.10	150.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
			(Vol.11.07): 2017						

Remarks : Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Graphite India Ltd.								Gra	aphite U	nit			
Address	:	P.O Sagarbhai	nga, Durgap	Sampling Date				:	07.	07.08.2024						
									Period of Analysis				13.08.2024 - 14.08.2024			
						Date of Issue				:	16.	16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and I	Plan	:]	No '	Гуре	of Sa	mple	:	Stack Emission		
Procedure																
Sample Condition	:	Sealed Sampl	ENV/23/Aug./A/XXVI	Report No. : E			ENV	/23/Aug./TR(A)/XXVI/24-25								

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Core Sampling Dust Collector (Stack - 49)						
Shape of Stack	: Circular Height of Stack (mtr.) (from G. L.)					0		
Materials of Construction	:	M.S.	(mtr.)					
Capacity	:		Height of sampling port (mtr.) (from G.L.)					
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. RESULT

SL.	PARAMETER	RAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	: 10.99	150.0				
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ ^ ~		(Vol.11.07): 2017						

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

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India	Type o	ype of Industry			:	Graphite U	nit					
Address	:	P.O Sagarbha	.O. – Sagarbhanga, Durgapur, Pin – 713211							:	06.08.2024			
								nalysi	S	:	13.08.2024 - 14.08.2024			
						Date of	Iss	Issue			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe o	of Sample	:	Stack Emission	
Procedure					_									
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXVII	Report	No.	:	EN	ENV/23/Aug./TR(A)/XXVII/24-25				

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.	(mtr.)					
Capacity	:		Height of sampling port : (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	-						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	9.76	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
	/ / / /		(Vol.11.07): 2017			

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit			
Address	:	P.O Sagarbhar	P.O. – Sagarbhanga, Durgapur, Pin – 713211									06.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
						Da	Date of Issue				:	16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	fror	n the Sampling Method and	Plan	n	:	No	Ту	pe o	of Sample	:	Stack Emission		
Procedure																
Sample Condition	:	Sealed Sampl	Sealed Sample ID No. : ENV/23/Aug./A/XXVII					Report No. : El			IV/2	7/23/Aug./TR(A)/XXVIII/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing – 4 Electrode Line Dust Co	ollector Stack (Stack – 51)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	17.	5	
Materials of Construction	:	M.S.	:	0.9	5		
Capacity	:	40,000 m ³ /hr.	000 m ³ /hr. Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Process Activity					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	r	:	Yes	
Working Fuel Consumption	:						
Pollution Control Device	:	Bag Filter					

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	9.39	30.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ ^2		(Vol.11.07): 2017						

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

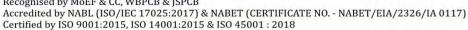
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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	.td.			Type o	f Inc	dustry		:	Graphite U	nit	
Address	:	P.O. – Sagarbhai	0. – Sagarbhanga, Durgapur, Pin – 713211							:	06.08.2024		
								halysi	S	:	13.08.2024 - 14.08.2024		
						Date o	of Issue				16.08.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe (of Sample	:	Stack Emission
Procedure													
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXIX	Repor	No.	. :	ENV/23/Aug./TR(A)/XXIX/24-25				XXIX/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Finishing – 4 – Nipple Line Dust Colle	ector Stack (Stack – 52)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	17.	5
Materials of Construction	:	M.S.		0.8	5	
Capacity	:	30,000 m ³ /hr.	:	14.	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.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	35.55	30.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
	/ ^ ~		(Vol.11.07) : 2017			

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Тур	pe of	Industry			:	Graphite U	nit						
Address	:	P.O Sagarbhai	nga, Durgap	ur, l	Pin – 713211	Sampling Date					:	05.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
						Date of Issue					:	16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and I	Plan		:	No	Ту	pe (of Sample	:	Stack Emission		
Procedure																
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/23/Aug./A/XXX	Rej	port l	No.	:	ENV/23/Aug./TR(A)/XXX/24-25				XXX/24-25		

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.	:	1.6	0			
Capacity	:	80 MT/Charge	rge Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Combustion of CBM Gas & Baking of electrode	& Nipple					
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	120 m ³ /hr.						
Pollution Control Device	:	E.S.P						

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	IOD NO.					
1	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019		56.35	N.A.			
1.		O,		•					
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	61.80	N.A.			
			Sec. 11 (Vol. 11.07) : 2017						
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	:	3.8	N.A.			
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0			
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	12.51	30.0			
	Matter		3685M-98 (reapproved 2005): Sec. 11						
			(Vol.11.07): 2017						

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
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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	.td.			Type o	f Inc	lustry		:	Graphite U	nit	
Address	:	P.O. – Sagarbhai	P.O. – Sagarbhanga, Durgapur, Pin – 713211							:	05.08.2024		
									S	:	13.08.2024 - 14.08.2024		
						Date of Issue					16.08.2024	ļ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ту	pe (e of Sample		Stack Emission
Procedure					_				-				
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/23/Aug./A/XXXI	Report	No.	:	ENV/23/Aug./TR(A)/XXXI/24-25				XXXI/24-25

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.	(mtr.)				
Capacity	:	-	Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	Process Activity					
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	•	:	Yes	
Working Fuel Consumption	:	- 100					
Pollution Control Device	:	Bag Filter					

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	: 28.31	30.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ / / /		(Vol.11.07): 2017		

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Ту	pe of	of Industry			:	Graphite U	nit						
Address	:	P.O Sagarbhai	nga, Durgap	ur, l	Pin – 713211	Sampling Date					:	05.08.2024				
									Period of Analysis				13.08.2024 - 14.08.2024			
						Date of Issue					:	16.08.2024				
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and I	Plan	1	:	No	Ту	pe (of Sample		Stack Emission		
Procedure			,													
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/23/Aug./A/XXXII	I Report No. : ENV/23/Aug./TR(A)/XXXI				XXXII/24-25						

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	RH - 24 - III Stock Cleaning Machine	e Dust Collector (Stack – 55)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	22.	0		
Materials of Construction	:	M.S.	(mtr.)					
Capacity	:		Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:							
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D :	22.98	30.0				
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ X	-	(Vol.11.07): 2017						

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I		Type of	Ind	ustry		:	Graphite U	nit					
Address	:	P.O Sagarbhai	nga, Durgap	ur, l	Pin - 713211		Sampling Date				:	13.08.2024			
							Period of Analysis				:	13.08.2024 - 14.08.2024			
							Date of Issue				:	16.08.2024			
Sampling Plan &		ENV/SOP/01	Deviation	froi	m the Sampling Method and	Pl	lan	:	No	Ту	pe (of Sample	:	Stack Emission	
Procedure															
Sample Condition		Sealed Sample ID No. : ENV/25/Aug./A/I					Report No. : E			EN	IV/2	25/Aug./TR(A)/I/24-25			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	Thermic Fluid Heater (Extrusion # 2 Dept.) (Sta	nck – 28)						
Shape of Stack	:	Circular	G. L.)						
Materials of Construction	:	M.S.	:	0.5	8				
Capacity	:	10 Lac K-Cal/Day	0 Lac K-Cal/Day Height of sampling port : (mtr.) (from G.L.)						
Emission Due to	:	Combustion of CBM to Heat Treatment Fluid							
Fuel Used	:	CBM	Permanent Platform & Ladder		:	Yes			
Working Fuel Consumption	:	50 m³/hr.							
Pollution Control Device	:	Nil							

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	:	36.57	N.A.
2.	Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7): 2017 / ASTM D 1608-98,	:	23.74	N.A.
			Sec. 11 (Vol. 11.07) : 2017			
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019		3.8	N.A.
4.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0	1.0
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	18.07	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
			(Vol.11.07) : 2017			

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
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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit		
Address	:	P.O Sagarbhar	nga, Durgap	Pin – 713211	Sampling Date : 12.08.2024										
											:	13.08.2024 - 14.08.2024			
						Da	ate of l	Issu	ıe			16.08.2024			
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	n the Sampling Method and	Plan	1	:	No	Ту	pe (of Sample	:	Stack Emission	
Procedure															
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/25/Aug./A/II Report No. : ENV/25/Aug./TR(A)/II/24					II/24-25					

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	1:	IRICH Dust Collector (Extrusion # 2	2 Dept.) (Stack – 29)						
Shape of Stack	:	Circular	G. L.)						
Materials of Construction	:	M.S.	S. Stack I.D. at sampling point (mtr.) Height of sampling port						
Capacity	:		:	28.	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. RESULT

SL.	PARAMETER	UNIT	RESULT	LIMIT	
NO.					
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	: 16.83	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ 1/2		(Vol.11.07) : 2017		

Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87]. Remarks

N.A. means Not Available.

Result relates only to the sample tested.

Reviewed By:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit	
Address	:	P.O Sagarbhar	ıga, Durgap	ur, l	Pin – 713211	Sampling Date : 12.08.2024								
											:	13.08.2024 - 14.08.2024		
						Da	ate of Issue				:	16.08.2024	ŀ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fror	n the Sampling Method and I	Plan	1	:	No	Ту	pe o	of Sample	:	Stack Emission
Procedure														
Sample Condition	:	Sealed Sampl	e ID No.	:	ENV/25/Aug./A/III	Re	eport l	No. : ENV/25/Aug./TR(A)/III/24-25					III/24-25	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Main Dust Collector (Extrusion # 2	Dept.) (Stack – 30)						
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	34.	0			
Materials of Construction	:	M.S.	(mtr.)						
Capacity	:		Height of sampling port (mtr.) (from G.L.)						
Emission Due to	:	Process Activity							
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes			
Working Fuel Consumption	:	N.A.							
Pollution Control Device	:	Bag Filter							

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	36.78	150.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
	/ 1/2		(Vol.11.07) : 2017						

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:

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India L	Graphite India Ltd.								:	Graphite U	nit	
Address	:	P.O Sagarbhar	O. – Sagarbhanga, Durgapur, Pin – 713211								:	12.08.2024		
											:	13.08.2024 - 14.08.2024		
							Date of l	Date of Issue				16.08.2024		
Sampling Plan &	:	ENV/SOP/01	Deviation	froi	m the Sampling Method and	Pl	lan	:	No	Ту	pe (of Sample	:	Stack Emission
Procedure														
Sample Condition	:	Sealed Sampl	le ID No.	:	ENV/25/Aug./A/IV		Report I	No.	:	EN	NV/25/Aug./TR(A)/IV/24-25			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Raymond Mill Dust Collector (Extrus	sion # 2 Dept.) (Stack – 31)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0		
Materials of Construction	:	M.S.	(mtr.)					
Capacity	:		Height of sampling port (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	N.A.						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	38.01	150.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
			(Vol.11.07): 2017						

Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87]. Remarks

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

: info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in Email

Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi

: • UAE • Qatar • Netherlands Overseas







TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite India I	Туре	of In	dustry	•	:	Graphite U					
Address	:	P.O Sagarbha	nga, Durgap	ur,	Pin - 713211	Samp	Sampling Date : 12.08.2024						
								Analys	is	:	13.08.2024 - 14.08.2024		
						Date	of Iss	ue		:	16.08.2024	1	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	/pe	of Sample	:	Stack Emission
Procedure					_								
Sample Condition	:	Sealed Samp	le ID No.	:	ENV/25/Aug./A/V	Repo	t No	. :	EI	ENV/25/Aug./TR(A)/V/24-25			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Silo Dust Collector (Extrusion # 2 D	ept.) (Stack – 32)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.	0		
Materials of Construction	:	M.S.	(mtr.)					
Capacity	:		Height of sampling port : (mtr.) (from G.L.)					
Emission Due to	:	Process Activity						
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes		
Working Fuel Consumption	:	N.A.						
Pollution Control Device	:	Bag Filter						

B. RESULT

SL.	PARAMETER	PARAMETER UNIT METHOD NO.							
NO.									
1.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D	:	28.62	150.0			
	Matter		3685M-98 (reapproved 2005) : Sec. 11						
			(Vol.11.07): 2017						

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

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TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite In	ndia L	td.				Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Saga:	ırbhar	iga, Durgap	ur,	Pin - 713211	-	Samplin	ıg D	ate		:	13.08.2024		
							Period	of A	nalysis	3	:	13.08.2024 - 14.08.2024			
								Date of Issue					16.08.2024		
Sampling Plan &	:	ENV/SOP/	7/SOP/01 Deviation from the Sampling Method a					Plan : No T			Тур	pe c	of Sample	:	Stack Emission
Procedure															
Sample Condition	:	Sealed S	aled Sample ID No. : ENV/25/Aug./A/VII					Report No. : 1			EN	V/2	25/Aug./TR(A)/	VII/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	IRICH (Trema) Scrubber System (Extrusion	# 2) (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.)	:	0.2	8
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	:	Scrubber System				

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
NO.						
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	:	41.84	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11			
	/ / / /		(Vol.11.07) : 2017			

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 :

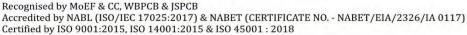
Dr. AJOY PAUL Quality Manager

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









TEST REPORT

FORMAT NO: ENV/FM/38

Name of the Industry	:	Graphite I	India L	td.			-	Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Saga	arbhar	iga, Durgap	ur, l	Pin - 713211		Samplir	ıg D	ate		:	13.08.2024		
						I	Period (of A	nalysis	3	:	13.08.2024	- 1	4.08.2024	
							I	Date of Issue					16.08.2024		
Sampling Plan &	:	ENV/SOP,	V/SOP/01 Deviation from the Sampling Method a					Plan : No Ty			Тур	pe c	of Sample		Stack Emission
Procedure															
Sample Condition	:	Sealed	ealed Sample ID No. : ENV/25/Aug./A/VI					Report No. :			ENV/25/Aug./TR(A)/VI/24-25				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Scrap System Dust Collector (Extru	sion # 2 Dept.) (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.)		0.6	5
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	8.9	
Emission Due to	:	Process Activity				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder		:	Yes
Working Fuel Consumption	:	N.A.				
Pollution Control Device	:	Bag Filter				

B. RESULT

SL.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
NO.					
1.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D	: 41.79	150.0
	Matter		3685M-98 (reapproved 2005) : Sec. 11		
	/ ^ <		(Vol.11.07) : 2017		

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

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STATEMENT OF STACK EMISSION DETAILS FOR THE YEAR AUGUST-2024

M/s. Graphite India Ltd.

Date of Sampling: 05.08.2024 - 13.08.2024

Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. ⁰ C	Flow Rate of gas Nm ³ /hr	PM mg/Nm ³	SO ₂ mg/Nm ³	NO ₂ mg/Nm ³	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
1	Mixture Fume Extractor (North) (Extrusion #1 Dept)	1	Electricity	720	30000	26000		Pı	roduction u	ınit not in c	peration			N.A.	Nil
2	Mixture Fume Extractor (South) (Extrusion#1 Dept)	2	Electricity	710	30000	16000		Production unit not in operation						N.A.	Nil
3	Cooler (North) (Extrusion#1 Dept)	3	Electricity	550	30000	15000	Production unit not in operation					N.A.	Nil		
4	Cooler South (Extrusion#1 Dept)	4	Electricity	487.6	9144	7315.2		Pı	roduction u	ınit not in c	peration			N.A.	Nil
5	Fume Extractor (West side) weigh floor (Extrusion#1 Dept)	5	Electricity	335.2	30000	9144		Pı	roduction ı	ınit not in c	peration			N.A.	Bag Filter
6	Raymond Mill Dust Collector (Extrusion#1 Dept)	6	Electricity	300x300	16000	7000		Pı	roduction ı	ınit not in c	peration			N.A.	Bag Filter
7	Scrap System Dust Collector (Extrusion#1 Dept)	7	Electricity	600	15000	5600		Pı	roduction ı	ınit not in c	peration			N.A.	Bag Filter
8	Main Dust Collector (Extrusion#1 Dept)	8	Electricity	700	22000	15000		Pı	roduction u	ınit not in c	peration			N.A.	Bag Filter
9	Ried Hammer Furnace (Baking Furnace) (14 SECTION)	12	CBM 90 m ³ /hr.	800	30000	10500	65.5	20095.13	25.02	19.44	23.83	3.4	12.76	N.A.	E.S.P
10	Ried Hammer Furnace (Baking Furnace)(RH16 & RH24-I SECTION) [RH-24(I) running]	13	CBM 170 m ³ /hr.	1800	45000	33000	70.00	91389.01	32.98	15.60	17.65	3.6	11.58	N.A.	E.S.P

Continuee to Next Page.....

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Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. ⁰ C	Flow Rate of gas Nm ³ /hr	PM mg/Nm ³	SO ₂ mg/Nm ³	NO ₂ mg/Nm ³	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
11	P.I. UNIT- 2 (THERMOPACK STACK)	16	CBM 70 m³/hr.	400	30000	28000	65	3387.31	15.70	39.84	41.93	3.4	15.70	N.A.	Nil
12	P.I. UNIT- 2 (HGG STACK)	17	CBM 70 m³/hr.	400	30000	28000	70	4790.22	94.25	44.65	47.67	3.2	94.25	N.A.	Water spray and Cooling Chamber
13	Finishing Dust Collector (Unit 2)	20	Electricity	900	15000	11000	33	32462.62	45.50	-	-	-	14.73	N.A.	Bag Filter
14	FINE SCREENING DUST COLLECTOR	21	Electricity	560	15000	6700	34	11737.81	45.16	-	-	-	13.79	N.A.	Bag Filter
15	Boiler (1.5 Ton/2Ton) 1.5 Ton Running	22	CBM (65 m ³ /Hr.)	280	29290	13500		Pı	roduction u	ınit not in o	peration			N.A.	Nil
16	Tunnel Kiln – 1 (Re-baking Furnace) (4.6 TPH)	23	CBM (85 m ³ /Hr.)	730	30000	18000	191	7458.4	27.98	65.6	77.69	3.4	7.8	N.A.	Incinerator
17	Finishing Dust Collector (Unit 3)	24	Electricity	780	15000	9000	39	14779.15	28.94	-	-	-	9.1	N.A.	Bag Filter
18	P.I. Unit – 3 (HGG STACK)	25	CBM (60 m ³ /Hr.)	400	30000	28000	50	3794.82	18.33	68.08	78.58	3.6	18.33	N.A.	Water Spray and Cooling Chamber
19	Tunnel Kiln – 2 (Re-baking Furnace) (4.6 TPH)	26	CBM (140 kg./hr.)	730	30000	18000	150	11051.26	18.50	72	79.9	3.6	10.53	N.A.	Incinerator
20	P.I. Unit – 3 (THERMOPACK STACK)	27	CBM (70 m ³ /Hr.)	400	30000	28000	72	3944.68	20.70	51.74	60.03	3.4	10.33	N.A.	Nil
21	Thermic Flueid Heater (Extrusion -2 Department)	28	CBM (50 m ³ /Hr.)	580	30000	20000	49	6917.51	18.07	36.57	23.74	3.8	7.95	N.A.	Nil
22	Extrusion #2 IRICH Dust Collector	29	Electricity	300	34000	28000	33	1709.10	16.83	-	-	-	6.98	N.A.	Bag Filter
23	Extrusion #2 Main Dust Collector	30	Electricity	1000	34000	33000	34	34240.5	36.78	-	-	-	12.62	N.A.	Bag Filter Page 2 of



ENVIROCHECK

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ISO 9001:2015

Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. ⁰ C	Flow Rate of gas Nm ³ /hr	PM mg/Nm ³	SO ₂ mg/Nm ³	NO ₂ mg/Nm ³	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
Extrusion #2 Raymond Mill Dust Collector	31	Electricity	230	15000	10500	41	1789.26	38.01	-	-	-	12.76	N.A.	Bag Filter
Extrusion #2 Silo Dust Collector	32	Electricity	600	15000	7000	35	17404.10	28.62	-	-	-	17.88	N.A.	Bag Filter
Extrusion #2 IRICH (Trema) Scrubber System	33	Electricity	280	15000	7000	36	12165.65	41.84	-	-	-	57.85	N.A.	Scrubber System
Acheson Dust Collector	34	Electricity	800x320	18000	11580	33	25290.56	24.90	-	-	-	28.54	N.A.	Bag Filter
Extrusion #2 Scrap system Dust collector	35	Electricity	650	15000	8900	34	12692.43	41.79	-	-	-	11.07	N.A.	Bag Filter
R.H24 (II) Furnace	36	CBM (120 m ³ /Hr.)	1600	45000	33000	78	47558.39	24.50	58.75	68.87	3.6	7.83	N.A.	E.S.P
Finishing Unit - 3 (South Side) Nipple Dust Collector	37	Electricity	700	15000	8000	37	17594.3	20.38	-	-	-	13.35	N.A.	Bag Filter
Finishing Unit - 2 Nipple line Dust Collector	38	Electricity	610	15000	9140	36	18917.62	17.80	-	-	-	18.85	N.A.	Bag Filter
R.H16 Stock Cleaning Machine Dust Collector	39	Electricity	400 × 600	15000	7000	37	6082.53	40.48	-	-	-	7.40	N.A.	Bag Filter
R.H24 (II) Stock Cleaning Machine Dust Collector	40	Electricity	650	30000	15000	35	8435.03	16.24	-	-	-	7.38	N.A.	Bag Filter
Turning-1 Dust Collector	41	Electricity	250	15000	3000	40	1381.49	33.53	-	-	-	8.32	N.A.	Bag Filter
P.I2 Turning Machine Dust Collector	42	Electricity	250	15000	3000	36	1551.94	19.75	-	-	-	9.05	N.A.	Bag Filter
P.I-3 Turning Machine Dust Collector	43	Electricity	250	15000	3000	38	1519.17	35.92	-	-	-	9.08	N.A.	Bag Filter Page 3 of 5
	Extrusion #2 Raymond Mill Dust Collector Extrusion #2 Silo Dust Collector Extrusion #2 IRICH (Trema) Scrubber System Acheson Dust Collector Extrusion #2 Scrap system Dust collector R.H24 (II) Furnace Finishing Unit – 3 (South Side) Nipple Dust Collector Finishing Unit – 2 Nipple line Dust Collector R.H16 Stock Cleaning Machine Dust Collector R.H24 (II) Stock Cleaning Machine Dust Collector Turning-1 Dust Collector P.I2 Turning Machine Dust Collector P.I2 Turning Machine Dust Collector P.I3 Turning Machine Dust	Extrusion #2 Raymond Mill Dust Collector Extrusion #2 Silo Dust Collector Extrusion #2 IRICH (Trema) Scrubber System Acheson Dust Collector Extrusion #2 Scrap system Dust collector R.H24 (II) Furnace Finishing Unit - 3 (South Side) Nipple Dust Collector Finishing Unit - 2 Nipple line Dust Collector R.H16 Stock Cleaning Machine Dust Collector R.H24 (II) Stock Cleaning Machine Dust Collector Turning-1 Dust Collector P.I2 Turning Machine Dust Collector P.I2 Turning Machine Dust Collector P.I3 Turning Machine Dust A3	Extrusion #2 Raymond Mill Dust Collector Extrusion #2 Silo Dust Collector Extrusion #2 IRICH (Trema) Scrubber System Acheson Dust Collector Extrusion #2 Scrap system Dust collector R.H24 (II) Furnace Finishing Unit - 3 (South Side) Nipple Dust Collector Finishing Unit - 2 Nipple line Dust Collector R.H16 Stock Cleaning Machine Dust Collector R.H24 (II) Stock Cleaning Machine Dust Collector R.H24 (II) Stock Cleaning Machine Dust Collector Turning-1 Dust Collector 40 Electricity P.I2 Turning Machine Dust Collector P.I3 Turning Machine Dust Collector P.I3 Turning Machine Dust 43 Electricity	Extrusion #2 Raymond Mill Dust Collector Extrusion #2 Silo Dust Collector Extrusion #2 Silo Dust Collector Extrusion #2 IRICH (Trema) Scrubber System Acheson Dust Collector Extrusion #2 Scrap system Dust collector Electricity 550 Electricity 700 Electricity 610 Electricity 650 Electricity 400 × 600 Electricity 650 Electricity 500 Electricity 650 Electricity 650 Electricity 250 P.I2 Turning Machine Dust Collector P.I3 Turning Machine Dust Collector P.I3 Turning Machine Dust Collector P.I3 Turning Machine Dust Collector P.I3 Turning Machine Dust A3 Electricity 250	Stack Attached toStack No.Fuel (Type & Quantity)Inner dia (mm)from ground (mm)Extrusion #2 Raymond Mill Dust Collector31Electricity23015000Extrusion #2 Silo Dust Collector32Electricity60015000Extrusion #2 IRICH (Trema) Scrubber System33Electricity28015000Acheson Dust Collector34Electricity800x32018000Extrusion #2 Scrap system Dust collector35Electricity65015000R.H24 (II) Furnace36CBM (120 m³/Hr.)160045000Finishing Unit - 3 (South Side) Nipple Dust Collector37Electricity70015000Finishing Unit - 2 Nipple line Dust Collector38Electricity61015000R.H16 Stock Cleaning Machine Dust Collector39Electricity400 × 60015000R.H24 (II) Stock Cleaning Machine Dust Collector40Electricity65030000Turning-1 Dust Collector41Electricity25015000P.I2 Turning Machine Dust Collector42Electricity25015000P.I3 Turning Machine Dust43Electricity25015000	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) from ground (mm) sampling port from GL (mm) Extrusion #2 Raymond Mill Dust Collector 31 Electricity 230 15000 10500 Extrusion #2 Silo Dust Collector 32 Electricity 600 15000 7000 Extrusion #2 IRICH (Trema) Scrubber System 33 Electricity 280 15000 7000 Acheson Dust Collector 34 Electricity 800x320 18000 11580 Extrusion #2 Scrap system Dust collector 35 Electricity 650 15000 8900 R.H24 (II) Furnace 36 CBM (120 m³/Hr.) 1600 45000 33000 Finishing Unit - 3 (South Side) Nipple Dust Collector 37 Electricity 700 15000 8000 Finishing Unit - 2 Nipple line Dust Collector 38 Electricity 610 15000 9140 R.H16 Stock Cleaning Machine Dust Collector 40 Electricity 650 30000 15000 R.H24 (II) Stock Cleaning Machine Dust Collector 41<	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) from ground (mm) sampling port from GL (mm) Temp. °C Extrusion #2 Raymond Mill Dust Collector 31 Electricity 230 15000 10500 41 Extrusion #2 Silo Dust Collector 32 Electricity 600 15000 7000 35 Extrusion #2 IRICH (Trema) Scrubber System 33 Electricity 800x320 18000 11580 33 Acheson Dust Collector 34 Electricity 650 15000 8900 34 Extrusion #2 Scrap system Dust collector 35 Electricity 650 15000 8900 34 Extrusion #2 Scrap system Dust collector 36 CBM (120 m³/Hr.) 1600 45000 33000 78 Finishing Unit - 3 (South Side) Nipple Dust Collector 37 Electricity 700 15000 8000 37 Finishing Unit - 2 Nipple line Dust Collector 38 Electricity 610 15000 7000 36 R.H16 Stock Cleaning Machine Dust Collector	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) ground ground mont from (L mm) Temp. of gas Nm³/hr	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) from GL (mm) Temp. of GL (mm) Flow Rate of gas Nm³/hr PM mg/Nm³ Extrusion #2 Raymond Mill Dust Collector 31 Electricity 230 15000 10500 41 1789.26 38.01 Extrusion #2 Silo Dust Collector 32 Electricity 600 15000 7000 35 17404.10 28.62 Extrusion #2 IRICH (Trema) 33 Electricity 280 15000 7000 36 12165.65 41.84 Acheson Dust Collector 34 Electricity 800x320 18000 11580 33 25290.56 24.90 Extrusion #2 Scrap system Dust collector 35 Electricity 650 15000 8900 34 12692.43 41.79 Extrusion #2 Scrap system Dust collector 36 CBM (120 m³/Hr.) 1600 45000 33000 78 47558.39 24.50 Finishing Unit - 2 (II) Furnace 36 Electricity 700 15000 8000 37 17594.3	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) from ground fum) ground of (mm) sampling ground of (mm) Fump. of gas Na³/h Flow Rate of gas Na³/h PM mg/Nm³ SO₂ mg/Nm³ Extrusion #2 Raymond Mill Dust Collector 31 Electricity 230 15000 10500 41 1789.26 38.01 - Extrusion #2 Silo Dust Collector 32 Electricity 600 15000 7000 35 17404.10 28.62 - Extrusion #2 IRICH (Trema) 33 Electricity 280 15000 7000 36 12165.65 41.84 - Acheson Dust Collector 34 Electricity 800x320 18000 11580 33 25290.56 24.90 - Extrusion #2 Scrap system Dust collector 35 Electricity 650 15000 8900 34 12692.43 41.79 - RH24 (II) Furnace 36 CBM (120 m³/Hr.) 1600 45000 33000 78 47558.39 24.50 58.75 Finishing Unit	Stack Attached to Stack No. Fuel (Type & Quantity) Inner dia (mm) grown grown grown (mm) sampling port from grown (mm) Flow Rate of GL (mm) Flow Rate of Gas Nm³/lm PM mg/Nm³ SO2 mg/Nm³ Extrusion #2 Raymond Mill Dust Collector 31 Electricity 600 15000 7000 35 17404.10 28.62 - - Extrusion #2 RICH (Trema) 33 Electricity 600 15000 7000 36 12165.65 41.84 - - Extrusion #2 RICH (Trema) Scrubber System 33 Electricity 800x320 18000 11580 33 25290.56 24.90 - - Acheson Dust Collector 34 Electricity 650 15000 8900 34 12692.43 41.79 - - Extrusion #2 Scrap system Dust Collector 36 CBM (120 m³/Hr.) 1600 45000 33000 78 47558.39 24.50 58.75 68.87 Finishing Unit - 3 (South Side) Nipple Dust Collector 37 Electricity 610 15000 91	Stack Attached to No. Stack Quantity Fuel (Type & Quantity) Inner dia (mm) from ground from (mm) Last (Line) Last (Line) PM (mm) SO ₂ mg/Nm³ NO ₂ (%) CO ₂ mg/Nm³ Mog/Nm³ Co ₆	Stack Attached to Stack No. Face (Type & Quantity) Immer dia (mm) sampling port from ground (mm) Temp. of L(nm) Flow Rate of Ext No. PM gas Nn³/hr (mg/Nn³) SO2 mg/Nn³ NO2 post CO2 post Velocity (m/s) Extrusion #2 Raymond Mill Dust Collector 31 Electricity 230 15000 10500 41 1789.26 38.01 12.76 Extrusion #2 RICH (Trema) Side Dust Collector 32 Electricity 280 15000 7000 36 12165.65 41.84 57.85 Acheson Dust Collector 34 Electricity 800320 18000 11580 33 25290.56 41.84 57.85 Acheson Dust Collector 35 Electricity 650 15000 8900 34 1269.243 41.79 11.07 R.H24 (II) Furnace 36 CBM (120 m²/Hr.) 1600 45000 33000 37 17594.3 20.38	Stack Attached to Stack Fuel (Type & mer dia Guntity) Fuel mer dia Guntity Fuel mer dia Fuel me



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017) Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018







Sl. No.	Stack Attached to	Stack No.	Fuel (Type & Quantity)	Inner dia (mm)	Height from ground (mm)	Height of sampling port from GL (mm)	Gas Temp. ⁰ C	Flow Rate of gas Nm ³ /hr	PM mg/Nm ³	SO ₂ mg/Nm ³	NO ₂ mg/Nm ³	CO ₂ (%)	Velocity (m/s)	Other Pollutants if any	Description of Air Pollution control devices if any
37	P.I Unit- 4 (THERMOPACK STACK)	44	CBM (100 m ³ /Hr.)	950	30500	18800	105	16151.19	7.30	56.24	60.92	3.6	8.13	N.A.	Nill
38	P. I 4 Pre-Heater	45	CBM (60 m ³ /Hr.)	1150	35800	21200	38	22577.00	12.80	60.34	67.98	3.4	6.38	N.A.	Nil
11 39	RH-24 (II) Jaw Crusher Machine Dust Collector	46	Electricity	480	22000	10000	37	6488.53	16.34	-	-	-	10.48	N.A.	Bag Filter
4()	Ried Hammer-16 Jaw Crusher Dust Collector	47	Electricity	800	15000	6400	35	15606.64	11.10	-	-	-	9.04	N.A.	Bag Filter
11 4 1	R.H24 (I) Stock Cleaning Dust Collector	48	Electricity	300	15000	4570	37	3103.13	30.10	-	-	-	12.83	N.A.	Bag Filter
42	Core Sampling Dust Collector	49	Electricity	250	15000	4500	34	1651.39	10.99	-	-	-	10.99	N.A.	Bag Filter
43	CBS Dust Collector	50	Electricity	600	15000	5000	35	8801.97	9.76	-	-	-	9.04	N.A.	Bag Filter
44	Finishing -4, Electrode Line Dust Collector Stack	51	Electricity	950	17500	14000	34	27062.32	9.39	-	-	-	11.06	N.A.	Bag Filter
	Finishing -4, Nipple Line Dust Collector Stack	52	Electricity	850	17500	14000	42	22589.45	26.50	-	-	-	11.8	N.A.	Bag Filter
46	RH-24 III, E.S.P Stack	53	CBM (120 m ³ /Hr.)	1600	45000	30000	82	40901.34	12.51	56.35	61.8	3.8	6.81	N.A.	E.S.P
47	RH-24 III, Jaw Crusher Dust Collector	54	Electricity	600	22000	14000	38	10122.26	28.31	-	-	-	28.31	N.A.	Bag Filter
4.8	RH-24 III, Stock Cleaning Machine Dust Collector	55	Electricity	500	22000	14000	35	4993.76	22.98	-	-	-	22.98	N.A.	Bag Filter







Checked By: D. Chakraborty

Dy. Quality Manager

Envirocheck



Dr. Ajoy Paul Quality Manager **Envirocheck**

V

Limit: SPM = 150 mg/Nm³, Ref.: Consent of operate under section 25 & 26 of the Water (Prevention and Control of Pollution) Act.1974 & Sec.21 of the Air (Prevention and Control of Pollution) Act.1981, Consent letter No.







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India	Ltd.			7	Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sagarbha	nga, Durga _l	our,	Pin - 713211	3	Samplir	ıg D	ate		:	08.08.2024 - 09.08.2024		
									nalysi	S	.:	13.08.2024	- 1	4.08.2024
									ıe		::	16.08.2024	ŀ	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan : No T			Ту	ре (pe of Sample : Ambient Air			
Sample Condition	:	Sealed Samp	ed Sample ID No. : ENV/23/Aug./A/XXXX					Report No. : I			ENV/23/Aug./TR(A)/XXXX/24-25			

A] GENERAL INFORMATION

1. Location of Sampling : Near Personal Office (Graphite Old Plant) (West Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	45.87	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23) : 2019	76.50	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.63	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	27.97	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.38	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: 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

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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi







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 Industry		Graphite Ind	lia Ltd.				Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sagarb	bhanga, Durg	apur,	, Pin – 713211		Samplii	ng D	ate		:	08.08.2024	1 – (9.08.2024
								Period of Analysis			:	13.08.2024	1 – 1	4.08.2024
							Date of Issue				:	16.08.2024	1	
Sampling Plan & Procedure	:	ENV/SOP/0	1 Deviati	Deviation from the Sampling Method and				Plan : No Ty			pe o	of Sample	:	Ambient Air
Sample Condition	:	Sealed Sa	mple ID No. : ENV/23/Aug./A/XXXXI				Report No. : EN			V/2	23/Aug./TR	(A)/	XXXXI/24-25	

A] GENERAL INFORMATION

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] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	38.81	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 2019	68.50	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	6.42	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	21.0	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.18	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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

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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite Ind	lia Ltd.			Type o	f Inc	lustry		:	Graphite U	nit	
Address	:	P.O Sagarb	ohanga, Durga	pur,	Pin - 713211	Sampli	ng E	ate		:	09.08.2024	- 1	0.08.2024
								nalysi	S	:	13.08.2024 - 14.08.2024		
						Date of Issue				:	16.08.2024		
Sampling Plan & Procedure	:	ENV/SOP/01	1 Deviatio	eviation from the Sampling Method and				Plan : No Ty			of Sample	:	Ambient Air
Sample Condition	:	Sealed Sai	mple ID No.	e ID No. : ENV/23/Aug./A/XXXXII				Report No. : EN			23/Aug./TR(A)/	XXXXII/24-25

A] GENERAL INFORMATION

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] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.5
 Average Relative Humidity (%) : 78.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	38.01	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 2019	69.0	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	6.42	80.0
			Sec. 11 (Vol. 11.07): 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	22.95	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.16	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India I	∡td.				Type of	Ind	ustry		:	Graphite U	nit		
Address	:	P.O Sagarbhai	. – Sagarbhanga, Durgapur, Pin – 713211						Sampling Date				09.08.2024 - 10.08.2024		
								Period of Analysis				: 13.08.2024 - 14.08.2024			
							Date of Issue				:	16.08.2024	ŀ		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	eviation from the Sampling Method and				Plan : No Ty			ре с	of Sample	:	Ambient Air	
Sample Condition	:	Sealed Samp	Sample ID No. : ENV/23/Aug./A/XXXXII					Report No. : EN			IV/2	23/Aug./TR	(A)/	XXXXIII/24-25	

A] **GENERAL INFORMATION**

1. Center Location (Old Graphite Plant) (West Side of Shipping Unit # 2) Location of Sampling

2. **Duration of Sampling** 24 hrs. (10:30 a.m. - 10:30 a.m.)

METEOROLOGICAL INFORMATION B]

1. 30.5 Average Temperature (°C) 2. Average Relative Humidity (%) 78.0

3. Barometric Pressure (mm of Hg) 752.0

Smell or Odour No Remarkable Smell 4.

5. Weather Condition Clear

RESULTS C]

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	37.65	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2019	74.50	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.84	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	26.77	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.20	2.0
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) : 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.38	1.0
			(Vol. 11.07) : 2021		
8.	Benzene (C ₆ H ₆)	$\mu g/m^3$	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	< 0.74	5.0
			(Vol. 11.07): 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9) : 2019	18.5	100.0
10.	Ammonia (NH3)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	< 0.01	6.0

Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009. Remarks

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

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India l	Ltd.			T	ype of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Sagarbha	nga, Durga _l	our,	Pin - 713211	Sa	amplin	ıg D	ate		:	07.08.2024	- 0	8.08.2024
			5 - 10 - 1 - 0 - 1 - 0 - 1 - 1 - 1 - 1 -					Period of Analysis			:	13.08.2024	- 1	4.08.2024
								Date of Issue			:	16.08.2024	ŀ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plai	Plan : No Ty			Тур	pe c	of Sample	:	Ambient Air
Procedure														
Sample Condition	:	Sealed Samp	ealed Sample ID No. : ENV/23/Aug./A/XXXVII				Report No. : El			EN	V/2	29/May/TR(A)/	XXXVII/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Near South Side of Tunnel Kiln (South Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (10:30 a.m. – 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.5

2. Average Relative Humidity (%) : 78.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	40.55	60.0
2.	Concentration of PM_{10}	μg/m³	IS 5182 (PART 23) : 2019	68.17	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	7.70	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	24.0	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m³	IS 5182 (Part 10) : 2019	0.26	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: 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

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Branch Office: - Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India I	td.				Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sag	garbhai	ıga, Durgap	ur,	Pin - 713211		Samplin	ng D	ate		:	08.08.2024	l – 0	9.08.2024
								Period of Analysis			;	:	13.08.2024	l - 1	4.08.2024
								Date of	Issu	e		:	16.08.2024	ļ	
Sampling Plan & Procedure	:	ENV/SOF	P/01	Deviation	Deviation from the Sampling Method and				Plan : No Ty			pe o	of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sampl	Sample ID No. : ENV/23/Aug./A/XXXIX				Report No. : EN		IV/2	29/May/TR(A)/	XXXIX/24-25		

A] GENERAL INFORMATION

1. Location of Sampling : Near Baking Furnace RH # 16 Section (North Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (10:00 a.m. – 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 31.0
 Average Relative Humidity (%) : 80.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

- 4					
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	50.12	60.0
2.	Concentration of PM_{10}	μg/m³	IS 5182 (PART 23): 2019	77.95	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	16.70	80.0
			Sec. 11 (Vol. 11.07): 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	30.0	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m³	IS 5182 (Part 10): 2019	0.38	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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

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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India	Ltd.			Type o	f Inc	lustry		:	Graphite U	nit		
Address	:	P.O. – Sagarbha	nga, Durga	our,	Pin – 713211	Sampli	ng [ate		:	07.08.2024	l – (08.08.2024	
								Period of Analysis				13.08.2024 - 14.08.2024		
						Date of Issue				:	16.08.2024	Ļ		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	eviation from the Sampling Method and				Plan : No Ty			of Sample	:	Ambient Air	
Sample Condition	:	Sealed Sam	ole ID No.	le ID No. : ENV/23/Aug./A/XXXVIII				Report No. : EN			29/May/TR(A)/	XXXVIII/24-25	

A] GENERAL INFORMATION

1. Location of Sampling : Near RH # 24 (II) Section (South Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (09:30 a.m. – 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 31.0
 Average Relative Humidity (%) : 77.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	49.66	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 20197	68.94	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.84	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	25.95	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.36	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: 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

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India I	Ltd.			T	ype of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Sagarbha	nga, Durga _l	ur,	Pin - 713211	Sampling Date					:	12.08.2024	l – 1	3.08.2024
											.:	13.08.2024	l – 1	4.08.2024
					Date of Issue					::	16.08.2024	ļ		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	Deviation from the Sampling Method and					Plan : No Ty			of Sample	:	Ambient Air
Sample Condition	:	Sealed Samp	Sealed Sample ID No. : ENV/25/Aug./A/XII						Report No. : El			25/Aug./TR	(A)/	XII/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Extrusion # 2 Campus (South Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (10:45 a.m. – 10:45 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0

Average Relative Humidity (%) : 84.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	44.63	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 2019	75.20	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	6.20	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	28.42	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.41p	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager **Authorised Signatory:**

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite Ind	lia Ltd.			Type o	f Inc	lustry		:	Graphite U	nit	
Address	:	P.O. – Sagarl	bhanga, Durg	apur,	Pin - 713211	Sampli	ng [ate		:	10.08.2024	- 1	1.08.2024
						Period of Analysis			S	:	13.08.2024	- 1	4.08.2024
				Date of Issue							16.08.2024		
Sampling Plan & Procedure	:	ENV/SOP/0	1 Deviation	n fro	om the Sampling Method and	Plan	:	No	No Type of Sample : Ambi			Ambient Air	
Sample Condition	:	Sealed Sa	mple ID No.	:	ENV/25/Aug./A/VIII	Report	No.	No. : ENV/25/Aug./TR(A)/VIII/24-25				VIII/24-25	

A] GENERAL INFORMATION

1. Location of Sampling : Extrusion # 2 Campus (Centre Location) (Near Weigh Bridge)

2. Duration of Sampling : 24 hrs. (11:00 a.m. – 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.5

Average Relative Humidity (%) : 83.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

	REBUETO				T
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	49.20	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23): 2019	79.10	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	7.28	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	32.47	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.32	2.0
6.	Concentration of Pb	μg/m ³	IS 5182 (Part 22) : 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.42	1.0
		-	(Vol. 11.07): 2021		
8.	Benzene (C ₆ H ₆)	μg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	1.0	5.0
		, 0,	(Vol. 11.07): 2021		
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-9) : 2019	16.0	100.0
10.	Ammonia (NH ₃)	μg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C: 2017	< 0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Authorised Signatory :

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Dr. AJOY PAUL Quality Manager

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TEST REPORT

FORMAT NO: ENV/FM/37

:	Graphite India I	Ту	ype of l	Ind	ustry		:	Graphite U	nit				
	P.O Sagarbhai	nga, Durgap	Pin - 713211	Sa	Sampling Date				:	10.08.2024	l – 1	1.08.2024	
			Period of Analysis					:	13.08.2024	l – 1	4.08.2024		
					Date of Issue					:	16.08.2024	ŀ	
	ENV/SOP/01	Deviation	Deviation from the Sampling Method and				Plan : No Ty			oe o	of Sample	:	Ambient Air
_	Cooled Comp	ample ID No. : ENV/25/Aug./A/X Report No. : ENV/25/Aug./TR					(4)	V /24 25					
	: :	: P.O. – Sagarbhai : ENV/SOP/01	: ENV/SOP/01 Deviation	: P.O. – Sagarbhanga, Durgapur, : ENV/SOP/01 Deviation fro	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 : ENV/SOP/01 Deviation from the Sampling Method and	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 S. P.O. – Sagarbhanga, Durgapur, Pin – 713211 ENV/SOP/01 Deviation from the Sampling Method and Pla	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Samplin Period o Date of I ENV/SOP/01 Deviation from the Sampling Method and Plan	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling D Period of Ar Date of Issu : ENV/SOP/01 Deviation from the Sampling Method and Plan :	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Period of Analysis Date of Issue	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date Period of Analysis Date of Issue : ENV/SOP/01 Deviation from the Sampling Method and Plan : No Type	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date : Period of Analysis : Date of Issue : : ENV/SOP/01 Deviation from the Sampling Method and Plan : No Type of Sampling Method Analysis : No Type of Sampling Method Analysis : No Type of Sampling Metho	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date Period of Analysis 13.08.2024 Date of Issue ENV/SOP/01 Deviation from the Sampling Method and Plan No Type of Sample	: P.O. – Sagarbhanga, Durgapur, Pin – 713211 Sampling Date Period of Analysis : 13.08.2024 – 1 Date of Issue : 16.08.2024 : ENV/SOP/01 Deviation from the Sampling Method and Plan : No Type of Sample :

A] GENERAL INFORMATION

1. Location of Sampling : Extrusion # 2 Campus (East Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (10:05 a.m. – 10:05 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 29.0
 Average Relative Humidity (%) : 84.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

					1
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	46.76	60.0
2.	Concentration of PM_{10}	μg/m³	IS 5182 (PART 23): 2019	79.43	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	6.42	80.0
			Sec. 11 (Vol. 11.07): 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	28.80	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.40	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Authorised Signatory:

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite Indi	a Ltd.			Type o	f Inc	lustry		:	Graphite U	nit	
Address	:	P.O. – Sagarbl	anga, Durga	our,	Pin – 713211	Sampli	ng E	ate		:	12.08.2024	- 1	3.08.2024
				Period of An							13.08.2024	- 1	4.08.2024
			Date of Issue							:	16.08.2024		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	: No Type of Sample :			Ambient Air			
Sample Condition	:	Sealed San	ple ID No.	:	ENV/25/Aug./A/XI	Report	No.	: ENV/25/Aug./TR(A)/XI/24-25				XI/24-25	

A] GENERAL INFORMATION

1. Location of Sampling : Extrusion # 2 Campus (North Side of Boundary Wall)

2. Duration of Sampling : 24 hrs. (09:40 a.m. – 09:40 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 29.0
 Average Relative Humidity (%) : 82.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

SL.	PARAMETERS	PARAMETERS UNIT METHOD NO.				
NO.						
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	50.10	60.0	
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23) : 2019	81.37	100.0	
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	7.28	80.0	
			Sec. 11 (Vol. 11.07) : 2017			
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	31.35	80.0	
			Sec. 11 (Vol. 11.07) : 2018			
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.34	2.0	

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager **Authorised Signatory:**

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite In	ndia Li	td.			7	Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Sagai	ırbhan	ga, Durgap	Pin – 713211	S	Sampling Date					10.08.2024	- 1	1.08.2024	
					F	Period of Analysis				:	13.08.2024 - 14.08.2024				
							Date of Issue					:	16.08.2024		
Sampling Plan & Procedure	:	ENV/SOP/	/01	Deviation from the Sampling Method and				Plan : No Ty			Тур	oe c	of Sample	:	Ambient Air
Sample Condition	:	Sealed Sample ID No. : ENV/25/Aug./A/IX Report No. : ENV/25/Aug./TR(A)/I						IX/24-25							

A] **GENERAL INFORMATION**

Extrusion # 2 Campus (West Side of Boundary Wall) 1. Location of Sampling

752.0

2. 24 hrs. (10:30 a.m. - 10:30 a.m.) **Duration of Sampling**

B] METEOROLOGICAL INFORMATION

29.0 1. Average Temperature (°C)

2. Average Relative Humidity (%) 84.0 3. Barometric Pressure (mm of Hg)

Smell or Odour No Remarkable Smell 4.

5. Weather Condition Cloudy

C] **RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	48.41	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 2019	76.17	100.0
3.	Concentration of SO_2	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	6.63	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	29.85	80.0
			Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m³	IS 5182 (Part 10): 2019	0.42	2.0

Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009. Remarks

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

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	India L	td.				Type of	Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Sag	garbhar	ıga, Durgap	ur, l	Pin – 713211		Sampling Date					05.08.202	1 – (06.08.2024
						Period of Analysis					13.08.202	1 – 1	14.08.2024		
					Date of Issue					:	16.08.202	1			
Sampling Plan & Procedure	:	ENV/SOP	P/01	Deviation	Deviation from the Sampling Method and					Plan : No T			of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sealed Sample ID No. : ENV/23/Aug./A/XXXV							Report No. : EN			29/May/TR	(A)/	/XXXV/24-25

A] **GENERAL INFORMATION**

1. Outside Boundary Wall of New Plant (North Side) (As per EC Condition **Location of Sampling**

1200 Apart)

Clear

2. 24 hrs. (10:20 a.m. - 10:20 a.m.) **Duration of Sampling**

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) 29.5

2. Average Relative Humidity (%) 86.0

3. Barometric Pressure (mm of Hg) 752.0

4. Smell or Odour No Remarkable Smell 5. Weather Condition

RESULTS C1

-CJ	KESULIS				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	42.97	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2019	74.12	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	10.27	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91 :	24.0	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.24	2.0
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) : 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.34	1.0
			(Vol. 11.07) : 2021		
8.	Benzene (C ₆ H ₆)	μg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	< 0.74	5.0
			(Vol. 11.07) : 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9): 2019	15.0	100.0
10.	Ammonia (NH3)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	< 0.01	6.0

Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009. Remarks

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

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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

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite I	Graphite India Ltd.						Ind	ustry		:	Graphite U	nit	
Address	:	P.O. – Saga	.0. – Sagarbhanga, Durgapur, Pin – 713211						ıg D	ate		:	05.08.2024	l – 0	6.08.2024
							Period o	of A	nalysis		:	13.08.2024	l – 1	4.08.2024	
									Issu	.e		:	16.08.2024	Ļ	
Sampling Plan & Procedure	:	ENV/SOP/	/01	Deviation	Pl	lan	:	No	Туј	pe c	of Sample	:	Ambient Air		
Sample Condition	:	Sealed S	Sampl	mple ID No. : ENV/23/Aug./A/XXXVI					No.	:	EN	V/2	9/May/TR	A)/	XXXVI/24-25

A] GENERAL INFORMATION

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. (10:00 a.m. – 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 82.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

۷,	RESCETS				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	40.90	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2019	76.54	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	15.20	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	32.41	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.36	2.0
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22): 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.37	1.0
			(Vol. 11.07): 2021		
8.	Benzene (C ₆ H ₆)	μg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	< 0.74	5.0
	. ,	, 0,	(Vol. 11.07): 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9): 2019	16.0	100.0
10.	Ammonia (NH ₃)	$\mu g/m^3$	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C: 2017	< 0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory:

Dr. AJOY PA

Dr. AJOY PAUL Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141

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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi







TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite	Graphite India Ltd.						Ind	ustry		:	Graphite U	nit	
Address	:	P.O Sag	P.O. – Sagarbhanga, Durgapur, Pin – 713211						ng D	ate		:	05.08.2024	1 – (06.08.2024
								Period	of A	nalysis		:	13.08.2024	1 – 1	4.08.2024
								Date of	Issu	e		:	16.08.2024	1	
Sampling Plan & Procedure	:	ENV/SOP	9/01	Deviation	Deviation from the Sampling Method and					No	Ту	ре о	of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sampl	e ID No.	7	Report	No.	:	EN	IV/2	29/May/TR	(A)/	XXXIV/24-25		

A] GENERAL INFORMATION

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. (11:00 a.m. – 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 82.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

٠,	REBUETO				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	IS 5182 (Part 24) : 2019	50.08	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2019	80.37	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	16.48	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	38.15	80.0
		, 0,	Sec. 11 (Vol. 11.07): 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.40	2.0
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22): 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.41	1.0
			(Vol. 11.07): 2021		
8.	Benzene (C ₆ H ₆)	$\mu g/m^3$	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	< 0.74	5.0
			(Vol. 11.07): 2021		
9.	Ozone (O ₃)	μg/m ³	IS 5182 (Part-9): 2019	16.50	100.0
10.	Ammonia (NH ₃)	μg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C: 2017	< 0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager

H.O.

Authorised Signatory:

Dr. AJOY PAUL Quality Manager

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TEST REPORT

FORMAT NO: ENV/FM/37

Name of the Industry	:	Graphite India I	Graphite India Ltd.							:	Graphite U	nit	
Address	:	P.O Sagarbha	0. – Sagarbhanga, Durgapur, Pin – 713211							:	05.08.2024	l – (06.08.2024
							of A	nalysi	S		13.08.2024	l – 1	14.08.2024
								ue		:	16.08.2024	ŀ	
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the Sampling Method and	Plan	:	No	Ty	тре (of Sample	:	Ambient Air
Procedure													
Sample Condition	:	Sealed Samp	ample ID No. : ENV/23/Aug./A/XXXIII				No.	:	EN	VV/	29/May/TR((A)/	XXXIII/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Centre Location (On the Roof of Water Reservoir) (As per EC Condition

120^o Apart)

2. Duration of Sampling : 24 hrs. (10:40 a.m. – 10:40 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0

2. Average Relative Humidity (%) : 82.0

3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear

C] RESULTS

٠,	11200210				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	μg/m³	IS 5182 (Part 24) : 2019	39.23	60.0
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2019	62.77	100.0
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2017 & ASTM D 2914-01,	9.0	80.0
			Sec. 11 (Vol. 11.07) : 2017		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2017 & ASTM D 1607-91:	23.02	80.0
			Sec. 11 (Vol. 11.07) : 2018		
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 2019	0.21	2.0
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) : 2019	< 0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m³	IS 5182 (Part 12): 2019 & ASTM D 6209-98, Sec. 11	0.34	1.0
			(Vol. 11.07): 2021		
8.	Benzene (C ₆ H ₆)	μg/m³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11	< 0.74	5.0
			(Vol. 11.07): 2021		
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-9) : 2019	14.5	100.0
10.	Ammonia (NH ₃)	μg/m ³	IS 5182 (Part 25): 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C: 2017	< 0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By:

DURBADAL CHAKKABURTY
Dy. Quality Manager

Authorised Signatory:

Bank

Dr. AJOY PAUL Quality Manager

<End of Report>

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Pollution Ambient Air Average concentration around the plant surroundings

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009 Sampling Period: 05.08.2024 - 13.08.2024

All figures are in micro gms / N cub. Mt

			P	arameters	s in μg / m	3	Parameters in mg/m ³	P	arameters	in μg / n	1^3	Param	eters in n	g/m³	Location	Direction wrt	Close to
Max limit			60	100	80	80	2	1	5	400	100	1	6	20	Location	Plant Land	Close to
LOCATION	Sampling Date	Sampling Time	PM _{2.5}	PM ₁₀	SO ₂	NO ₂	со	Pb	Benzene	NH ₃	Ozone	Benzo(a) Pyrene	As	Ni			
	Graphite Old Plant Campus																
A	05.08.24 to 06.08.24	10:20 A.M. TO 10:20 A.M.	42.97	74.12	10.27	24.00	0.2400	<0.01	<0.74	<4.18	15.00	0.34	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	North Side	Outside Boundary Wall of New Plant
В	06.08.24 to 07.08.24	10:00 A.M. TO 10:00 A.M.	40.90	76.54	15.20	32.47	0.3600	<0.01	<0.74	<4.18	16	0.37	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	North - East Side	Outside of the Boundary Wall of the Old Plant
С	09.08.24 to 10.08.24	10:00 A.M. TO 10:00 A.M.	38.01	69.00	6.42	22.95	0.1600	-	-	-	-	-	-	-	At the East of LWG- 4 & 5 (Graphite Old Plant)	East Side	Near Boundary Wall
D	08.08.24 to 09.08.24	09:00 A.M. TO 09:00 A.M.	45.87	76.50	9.63	27.97	0.3800	-	-	-	-	-	-	-	Near Personal Office (Graphite Old Plant)	West Side	Near Boundary Wall

Continuee to next page.....

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ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017) Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018







			1	Parameters	s in μg / m ³	1	Parameters in mg / m ³	1	Parameters	in μg / m	•	Paran	neters in n	g/m³		Direction wrt Plant	
Max limit	Sampling	Sampling	60	100	80	80	2	1	5	400	100	1 Benzo(a)	6	20	Location	Land	Close to
LOCATION	Date	Time	PM _{2.5}	PM ₁₀	SO ₂	NO ₂	СО	Pb	Benzene	NH ₃	Ozone	Pyrene	As	Ni			
	1			1		1		Grapl	nite Old Pla	nt Campus		1	1	1	1	1	
E	07.08.24 to 08.08.24	10:30 A.M. TO 10:30 A.M.	40.55	68.17	7.70	24.00	0.2600	-	-	-	-	-	-	-	Tunnel Kiln (Graphite Old Plant)	South Side	Boundary Wall
F	08.08.24 to 09.08.24	09:30 A.M. TO 09:30 A.M.	38.81	68.50	6.42	21.00	0.1800	-	-	-	-	-	-	-	Near Security Barrack, Section (Graphite Old Plant)	North Side	Boundary Wall
G	09.08.24 to 10.08.24	10:30 A.M. TO 10:30 A.M.	37.65	74.50	9.84	26.77	0.2000	<0.01	<0.74	<4.18	18.5	0.38	<0.01	<0.02	Graphite Old Plant	Center Location	West Side of Shipping unit # 2
Н	08.08.24 to 09.08.24	10:00 A.M. TO 10:00 A.M.	50.12	77.95	16.70	30.00	0.3800	-	-	-	-	-	-	-	Graphite Old Plant (Near Baking Furnace RH # 16 Section)	North Side	Boundary Wall
I	07.08.24 to 08.08.24	09:30 A.M. TO 09:30 A.M.	49.66	68.94	9.84	25.95	0.3600	1	-	1	1	-	-	-	Near Baking Furnace RH # 24 Section (Graphite Old Plant)	South Side	Boundary Wall
J	05.08.24 to 06.08.24	11:00 A.M. TO 11:00 A.M.	50.08	80.37	16.48	39.15	0.4000	<0.01	<0.74	<4.18	16.5	0.41	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart) (Near Waste Water Recycling Plant)	South Side	Outside Boundary wall of Old Plant
К	05.08.24 to 06.08.24	10:40 A.M. TO 10:40 A.M.	39.23	62.77	9.00	23.02	0.2100	<0.01	<0.74	<4.18	14.5	0.34	<0.01	<0.02	Graphite Old Plant (As per EC Condition 120 ⁰ Apart)	Center Location	On the Roof of Water Reservoir)
	New Extrusion Campus																
	10.000	10.05 131 50															Page2 of

A	10.08.24 to 11.08.2024	10:05 A.M. TO 10:05 A.M.	46.76	79.43	6.42	28.80	0.40	-	-	-	-	-	-	-	Extrusion 2 # Campus	East Side	Outside Boundary wall
В	10.08.24 to 11.08.2024	10:30 A.M. TO 10:30 A.M.	48.41	76.17	6.63	29.85	0.42	-	-	-	-	-	-	-	Extrusion 2 # Campus	West Side	Boundary wall
С	10.08.24 to 11.08.2024	11:00 A.M. TO 11:00 A.M.	49.20	79.10	7.28	32.47	0.32	<0.01	1.00	<4.18	16	0.42	<0.01	<0.02	Extrusion 2 # Campus	Center Location	Near New Weigh Bridge
D	12.08.24 to 13.08.24	10:45 A.M. TO 10:45 A.M.	44.63	75.20	6.20	28.42	0.41	-	-	-	-	-	-	-	Extrusion 2 # Campus	South Side	Boundary Wall
Е	12.08.24 to 13.08.24	09:40 A.M. TO 09:40 A.M.	50.10	81.37	7.28	31.35	0.34	1	1	1	ı		-	-	Extrusion 2 # Campus (As per EC Condition 120 ⁰ Apart)	North Side	Boundary Wall

Mean

Checked By: D. Chakraborty

Dy. Quality Manager

Envirocheck

Kolkata 700 028 8

Stamp

Man

Dr. Ajoy Paul Quality Manager **Envirocheck**







FORMAT NO. ENV/FM/40

TEST REPORT

Name of the			:	Graphite I	ndia	Ltd. (Extrusion –	2)			Type of Industry	:	Graphite Unit
Industry												
Address			:	P.O. – Saga	ırbha	nga, Durgapur, Pi	in –			Sampling Date	:	16.08.2024
	713211					Period of Analysis	:	17.08.2024 - 22.08.2024				
							Date of Issue	:	24.08.2024			
Sampling Plan	1 &		:	ENV/SOP/	01	Deviation from t	he	:	No	Type of Sample	:	Industrial Effluent Water
Procedure						Sampling Metho	d					(Grab)
	- Toccaure			and Plan								
Location	:	Е	.T.F	T.P Inlet Sample Condition : Seale		ealed	Sample ID No.	:	ENV/18/Aug./W/I			
Report No.	:	Е	ENV/18/Aug./TR(W)/I/24-25									

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	4500 H+B APHA 23 rd Edition, 2017	-	6.42
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	140.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	12.6
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	2342.4
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	575.0
6.	Phenolic Compound	APHA 23 rd Ed., 5530-Phenols D : 2017	mg/l	1.73
7.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ² - E : 2017	mg/l	1870.0

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: Indrawi Blattackaryja

INDRANI BHATTACHARYA
 Dy. Technical Manager, Chemical

Authorised Signatory:

Dr. SUMIT CHOWDHURY

Technical Manager

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Page 1 of 2







FORMAT NO. ENV/FM/40

TEST REPORT

Name of the			:	Graphite India	Ltd. (Extrusion – 2)			Type of Industry	:	Graphite Unit
Industry										
Address			:	P.O. – Sagarbha	anga, Durgapur, Pin	-		Sampling Date	:	16.08.2024
713211						Period of Analysis	:	17.08.2024 - 22.08.2024		
								Date of Issue	:	24.08.2024
Sampling Plan	1 &		:	ENV/SOP/01	Deviation from the		: No	Type of Sample	:	Industrial Effluent Water
Procedure					Sampling Method					(Grab)
					and Plan					
Location	:	E	.T.I	T.P Outlet Sample Condition : Se				Sample ID No.	:	ENV/18/Aug./W/II
Report No.	:	ENV/18/Aug./TR(W)/II/24-25								

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	рН	4500 H+B APHA 23 rd Edition, 2017		7.12	5.5 – 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	31.11	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	3.7	10.0
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	76.8	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	24.0	30.0
6.	Phenolic Compound	APHA 23 rd Ed., 5530-Phenols D : 2017	mg/l	0.55	1.0
7.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ² - E : 2017	mg/l	920.0	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.

Indrani Blattacharyya

e) N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Authorised Signatory:

Dr. SUMIT CHOWDHURY Technical Manager

<End of Report>

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry			:	Graphite India				Type of Industry			:	Grap	hit	te Unit	
9		inga, Durgapur, Pin –			Sampling Date			:	16.08.2024						
	713211							P	eriod of <i>F</i>	Analysis	:	17.0	8.2	024 - 22.08.2024	
										ate of Iss	ue	:	24.0	8.2	024
Sampling Plan	ampling Plan & : ENV/SOP/01 De			Dev	iation from the	:	No		Type of S	Sample	:	Ind	ust	rial Effluent Water	
Procedure	, , ,		Sam	npling Method							(Gr	ab)			
					and	and Plan									
Location		С	oll	ected Treated		Sample Condition		:		Sealed	Sample	ID I	Vo.		ENV/17/Aug./W/I
		W	at	er from Commor	ı										
		V	Vas	te Water Recycl	ing										
		U	nit	of Outfall (Near											
LWG 4 & Old Weigh															
		Bridge) - Inlet													
Report No.		Е	NV	7/17/Aug./TR(W	/)/I/2	24-25		•							

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	4500 H+B APHA 23 rd Edition, 2017	-	6.26
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	120.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	11.9
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	2188.8
5.	Biochemical Oxygen Demand	5210 B APHA 23 rd Edition, 2017	mg/l	508.0
	for 5 days at 20°C	/./		

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 BHATTACHARYA Dy. Technical Manager, Chemical

Indrawi Blattackaryja

Authorised Signatory:

Dr. SUMIT CHOWDHURY
Technical 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







FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry			: Graphite India Ltd.						Type of Industry			Grap	hit	te Unit
		nga,	nga, Durgapur, Pin –			Sampling Date			16.08.2024					
	713211							Period of	Analysis	:	17.08	8.2	2024 - 22.08.2024	
									Date of Is	sue	:	24.08	8.2	2024
Sampling Plan	Sampling Plan & : ENV/SOP/01 De				Dev	iation from the	:	No	Type of	Sample	:	Ind	ust	trial Effluent Water
Procedure	, ,		Sam	npling Method						(Gra	ab))		
					and	nd Plan								
Location		С	oll	ected Treated		Sample Condition		:	Sealed	Sample	ID I	No.		ENV/17/Aug./W/II
		W	at	er from Commor	1									
		V	Vas	te Water Recycl	ing									
		U	nit	of Outfall (Near										
LWG 4 & Old Weigh														
		Bridge) - Outlet												
Report No.	:	Е	NV	7/17/Aug./TR(W	/)/II/	24-25								

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	рН	4500 H+B APHA 23 rd Edition, 2017	-	6.98	5.5 – 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	32.44	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	4.6	10.0
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	96.0	250.0
5.	Biochemical Oxygen Demand	5210 B APHA 23 rd Edition, 2017	mg/l	25.0	30.0
	for 5 days at 20°C	///			

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.

Indrani Blattacharyes

Reviewed By:

INDRANI BHATTACHARYA
 Dy. Technical Manager, Chemical

Authorised Signatory:

Dr. SUMIT CHOWDHURY

Technical 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









STATEMENT OF EFFLUENT DETAILS FOR THE YEAR - AUGUST'2024

M/s. Graphite India Ltd., Dist - Burdwan, Durgapur, PIN - 713 211, (West Bengal)

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	6.42
			TSS	140.00
			COD	2342.40
1	Extrusion #2 ETP Inlet	16.08.2024	BOD	575.00
	Extrusion #2 ETP Inlet	10.00.2024	Oil & Grease	12.60
			Phenolic Compound	1.73
			Sulphate	1870.00

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	7.12
			TSS	31.11
	T		COD	76.80
2	Extrusion #2 FTP Outlet	16.08.2024	BOD	24.00
2	Extrusion #2 ETP Outlet	10.08.2024	Oil & Grease	3.70
			Phenolic Compound	0.55
			Sulphate	920.00

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	6.26
	Collected water from Common Waste Water Recycling Unit of		TSS	120.00
3	Outfall (Near LWG 4 & Old Weigh	16.08.2024	COD	2188.80
	Bridge) - Inlet		BOD	508.00
			Oil & Grease	11.90

SL. NO.	Location	Sampling Date	Parameters	Result
			рН	6.98
	Collected Treated water from		TSS	32.44
4	Common Waste Water Recycling Unit of Outfall (Near LWG 4 & Old		COD	96.00
	Weigh Bridge) - Outlet		BOD	25.00
	. g.,		Oil & Grease	4.60

Checked By: D. Chakraborty

Dy. Quality Manager

Envirocheck

Kolkata 700 028

Stamp

Harl

Dr. Ajoy Paul Quality Manager

Envirocheck









AMBIENT NOISE LEVEL MONITORING SUMMARY SHEET FOR M/s. Graphite India Ltd.,

Dist - Burdwan, Durgapur, PIN - 713 211, (West Bengal)
For the Month of AUGUST'2024

Sampling Date: 08.08.2024 - 09.08.2024

Noise Level Leq. dB(A)

	LOCATIONS:	D.	AY TIME dB(A)	NIC	GHT TIME dB	(A)
	LUCATIONS.	Leq	Lmax.	Lmin.	Leq	Lmax.	Lmin.
1	NORTH BOUNDARY WALL -NEAR TEMPLE	61.83	65.00	56.90	55.11	58.20	50.90
2	NORTH BOUNDARY WALL -NEAR SECURITY BARRACK	61.33	64.10	56.60	59.48	62.60	55.80
3	NORTH BOUNDARY WALL -BACK OF LWG # 3	63.28	68.40	57.40	58.92	62.10	54.80
4	CENTRE OF THE PLANT (NEAR PI UNIT # 1)	65.88	68.80	59.60	59.63	62.40	55.60
5	EAST BOUNDARY WALL - NEAR LWG # 4	66.71	70.50	62.60	60.33	63.10	56.40
6	WEST BOUNDARY WALL - NEAR PERSONAL OFFICE	65.09	67.40	61.20	60.88	64.50	54.20
7	SOUTH BOUNDARY WALL -NEAR FINISHIG UNIT # 3	68.94	71.40	61.60	60.44	62.60	57.40
8	SOUTH BOUNDARY WALL –BACK OF OLD STORE	67.80	70.20	63.80	60.82	62.40	58.60
9	SOUTH BOUNDARY WALL -BACK OF CANTEEN BUILDING	67.35	69.50	62.70	59.02	61.60	54.60
10	EXTRUSION # 2 CENTRE OF THE PLANT –NEAR NEW WEIGH BRIDGE	63.16	66.00	59.80	56.94	60.00	51.20
11	EXTRUSION # 2 AREA (EAST BOUNDARY WALL)	64.52	67.50	60.40	57.45	60.10	53.20
12	EXTRUSION # 2 AREA (NORTH BOUNDARY WALL)	66.57	69.30	62.20	59.38	60.80	58.00
13	EXTRUSION # 2 AREA (SOUTH BOUNDARY WALL)	64.85	67.10	61.10	56.79	60.30	52.00
14	EXTRUSION # 2 AREA (WEST BOUNDARY WALL)	60.21	66.10	56.00	52.73	54.90	50.90

Checked By: D. Chakraborty

Kolkata 700 028

Hard

Dr. Ajoy Paul

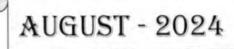
Dy. Quality Manager	Stamp	Quality Manager
Envirocheck		Envirocheck



WORK ZONE AIR, NOISE LEVEL, UNINATION & VENTILATION MONITORING REPORT OF

M/s. GRAPH!TE INDIA LTD.

Durgapur - 713 211, Dist. - Paschim Bardhaman, West Bengal



PREPARED BY:

INDICATIVE CONSULTANT INDIA

Website: www.indicativeconsultantindia.com



| Name of the Factory | : M/s. GRAPHITE INDIA LTD.
| Durgapur -713211, Dist - Paschim Bardhaman, West Bengal |
| Date of Execution of Job | : 12.08.2024 to 14.08.2024, 16.08.2024 to 17.08.2024 & 19.08.2024 to 23.08.2024

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 12.08.2024 to 14.08.2024, 16.08.2024 to 17.08.2024 & 19.08.2024 to 23.08.2024. 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 25 & Table No. 1 to 6, Noise Level Monitoring in Table No. 1 to 22, Ventilation Condition Testing in Table No. - 1 to 7 and of Illumination Level Testing in Table No. - 1.

P 1/3

2.0 DISCUSSION:

Result as indicated in Form No.30, which is annexed herewith, reveals the following facts.

WORKZONE AIR RESULT

 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 25 & TABLE 1 to 6)

NOISE LEVEL RESULT

ii) Sound levels are well within limit at all measured locations. (TABLE 1 to 22)

ILLUMINATION LEVEL MEASUREMENT RESULT

ii) 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)
- () Wet Bulb temperatures inside the work place are within limit at all measured locations. (TABLE 1 to 7)

Safan

3.0 ACKNOWLEDGEMENT:

- i) Mr. Ranadeep Chakraborty (EVP)
- ii) Mr. Sugata Bhowmick VP (HR & IR)
- iii) Mr. C. P. Dhanuka (Sr. Manager Technical)
- iv) Mr. Sadananda Mukherjee Asst. Manager (P&A)
- v) Mr. Sudev Mohanta- Safety Officer
- vi) Security Officer & Staff
- vii) 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



HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 1

Ph.: 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a)gmail.com/ indicativeconsultantindia/a)gmail.com

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

Particular of Sampling :

No.	Location Operation Monitoring	Identified	Date & Time	Sampling Instrument	Airborne Contamination			TWA Concentration as given in	Reference	exposed at t	Number of workers exposed at the location being monitored		Signature of person taking	Name (in block
		Contaminant	Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
1.		Suspended Particulate Matter Respirable Particulate Matter	12.08.2024		3	1.145 1.187 1.156	1.163	10.0		3	-	Below PEL	Takent	T. SUTRADH AR S. CHATTAR AJ
	EXTRUSI ON #2 PRESS FLOOR		12.00.2024	See	3	0.487 0.511 0.475	0.491	5.0	See	3	1.0	Below PEL		
		Sulphur Dioxide	08:00 AM to	Annexure-	3	0.020 0.025 0.018	0.021	5.0	Annexure-1	3		Below PEL	0	
		Nitrogen Dioxide			3	0.039 0.044 0.034	0.039	6.0		3	1.4	Below PEL	1	

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gold Authorized Signators

P 1/25

HPL Link Road. Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

Table No. - 2 Form No. - 30

Ph.: 03224-275765 Mob. - 94340 17584

e-mail; jayantasarkar67/a/gmail.com/ indicativeconsultantindia a gmail.com

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.

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	Location / Operation Monitoring	Identified Contaminant	Date &	Sampling	Airborne Contamination			TWA Concentration as given in	Reference	Number of workers exposed at the location being monitored		Remark	Signature of person taking	Name (in block	
No			of Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)	
	EXTRUSIO N #2 14MT. FLOOR	Respirable Particulate Matter FLOOR Sulphur Dioxide	Particulate			3	1.597 1.612 1.579	1.596	10.0		3	13.1	Below PEL	Jakon	
1.			Particulate Matter Sulphur 08:30 AM	See	3	0.725 0.733 0.747	0.735	5.0	See Annexure- I	3	1-2	Below PEL		AR	
				Annexure-1	3	0.018 0.023 0.016	0.019	5.0		3	4	Below PEL	0	S.	
			Nitrogen 04:30 PM 0.038 0.041 0.037	6.0		3	7	Below PEL	y	AJ					

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Tolin Authorized Signatory

P 2/25

HPL Link Road, Basudevpur, Khanjanchak

Haldia, Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 3

Ph.: 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a)gmail.com/ indicativeconsultantindia/a)gmail.com

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 : FINISHING UNIT # 4

2. Raw materials, by-products and finished products: See Annexure-1

3. Particular of Sampling:

SL	Location / Operation Monitoring	Identified Contaminant	Date & Time	Sampling Instrument	Airborne Contamination			TWA Concentration as given in	Reference Method	Number of workers exposed at the location being monitored		Remark	Signature of person taking	Name (in block
No			Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	syleanod	Continuous Exposure	Short term Exposure		Samples	letters)
	FINISHING UNIT #4	Sulphur 09:00 AM	12.00.2024		3	1.305 1.316 1.297	1.306	10.0		3	-	Below PEL	Tapoy	T. SUTRADH
1.			Respirable Particulate	See Annexure-I	3	0.705 0.712 0.687	0.701	5.0	See	3	-	Below PEL		AR
			09:00 AM		3	0.019 0.024 0.017	0.020	5.0	Annexure-l	31	1.00	Belaw PEL		
		Nitrogen Dioxide	05:00 PM		3	0.036 0.044 0.035	0.038	6.0		3	-	Below PEL		S CHATTAR AJ

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golar Authorized Signator

P 3/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 4

Ph.: 03224-275765 Mob. - 94340 17584

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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-1

3. Particular of Sampling:

51	Location /	Identified Contaminant	Date & Time	Sampling	Airborne Contamination		TWA Concentration as given in	Reference	Number of workers exposed at the location being monitored		Remark	Signature of person taking	Name (in block	
No	Operation Monitoring		of Monitoring	Used	No. of sample	Range mg/M ³	Avg mg/M	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
1.	BAKING RH 16 SHOP FLOOR	16 Matter OP Solebur			3	2.294 2.341 2.322	2.319	10.0		3		Below PEL	Tolog	
			13.08.2024	See	3	0.977 0.981 0.956	0.971	5.0	See Annexure- I	3		Below PEL	1.4	AR
			r 08:10 AM	Annexure-	3	0.018 0.023 0.019	0.020	5.0		3	~	Below PEL	01	S. CHATTAR
		Nitrogen Dioxide	04:10 PM		3	0.036 0.042 0.037	6.0		3	10	Below PEL	1	AJ	

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Gotal Authorized Signators

P 4/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

Form No. - 30 Table No. - 5

Ph.: 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a/gmail.com/ indicativeconsultantindia/a/gmail.com

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 (I) SHOP FLOOR

2. Raw materials, by-products and finished products: See Annexure-1

3. Particular of Sampling:

SL.	Location Operation Monitoring	Identified Contaminant	ed Date & Time	Sampling	Airborne Contamination			TWA Concentration as given in	Reference	Number of workers exposed at the location being monitored		Remark	Signature of person taking	Name (in block
No.				Instrument	No of sample	Range mg/M ³	Avg, mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
	BAKING RH 24 (I) SHOP FLOOR	Suspended Particulate Matter	5		3	2.265 2.294 2.236	2.265	10.0	See Annexure- I	3	20	Below PEL	Johan	T. SUTRADH AR
1.		Respirable Particulate Matter		See Annexure-1	3	1.187 1.245 1.206	1.213	5.0		3		Below PEL		
		SHOP	100000000000000000000000000000000000000		3	0.018 0.026 0.019	0.021	5.0		3	-	Below PEL	0	S
			Nitrogen 04:40 PM		3	0.036 0.042 0.035	0.038	6.0		3	Gen	Below PEL		CHATTAR

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golini Authorized Signatory

P 5/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 6

Ph.; 03224-275765 Mob. - 94340 17584

e-mail : jayantasarkar67@gmail.com/ indicativeconsultantindia/a/gmail.com

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 TUNNEL KILN SHOP

2. Raw materials, by-products and finished products: See Annexure-1

3 Particular of Sampling:

SI	Location/	Identified	tentified Date & Time	Sampling Instrument Used	Airborne Contamination			TWA Concentration as given in	Reference	Number of workers exposed at the location being monitored		Remark	Signature of person taking	Name (in block
No.	Operation Monitoring	Contaminant	Monitoring .		No. of sample	Range mg/M	Avg mg/M	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
	BAKING TUNNEL KILN SHOP	Suspended Particulate Matter			3	2.687 2.705 2.716	2.703	10.0		3	-	Below PEL	Capout Capout	CHANGE
1.		Respirable Particulate Matter	pirable iculate latter llphur 09:10 AM	See	3	1.701 1.726 1.715	1.714	5.0	See Annexure- 1	3	- 1	Below PEL		DHAR
		Sulphur Dioxide		Annexure-1	3	0.018 0.027 0.021	0.022	5.0		13.	-	Below PEL		5.
		Nitrogen Dioxide		3	0.036 0.045 0.035	0.039	6.0		3	7	Below PEL		CHATT	

PEL – Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi Authorized Signatory

P 6/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

Table No. - 7 Form No. - 30

Ph: 03224-275765 Mab. - 94340 17584

e-mail: jayantasarkar67 a gmail com/ indicative consultantindia a gmail com

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-1

3. Particular of Sampling:

	3. Particu	ldentified	Date &	Sampling	Airbo	me Contami	nation	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Contaminant	of Monitoring	Used	No. of sample	Range mg/M	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
		Suspended Particulate Matter			3	2.841 2.815 2.878	2.845	10.0		3	(4) h	Below PEL	Japan	T. SUTRADIL AR
Ē.	PITCH IMPREGNA	Respirable Particulate Matter	14.08.2024	See	3	1.255 1.298 1.243	1.265	5.0	See Annexure-	3		Below PEL		
ĥ	TION UNIT # 2 SHOP	Sulphur Dioxide	08:20 AM	Annexure-	3	0.018 0.025 0.017	0.020	5.0	1	3	ŧ	Below PEL	2	S. CHATTAR
		Nitrogen Dioxide	04:20 PM		3	0.040 0.046 0.037	0.041	6.0		3	4	Below PEL	0	AI

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golor Authorized Signatory

P 7/25

HPL Link Road. Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 8 Form No. - 30

Ph: 03224-275765 Mob. - 94340 17584

e-mail : javantasarkar67(agmail.com/ indicativeconsultantindia a gmail.com

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-1

3. Particular of Sampling:

	3. Particular	of Sampling	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block
St. No	Operation Monitoring	Contaminant	of Monitoring	Instrument	No. of sample	Range mg/M	Avg mg/M	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	(letters)
		Suspended Particulate Matter	14.08.2024		3	2.157 2.189 2.142	2.163	10.0		3	4	Below PEL	Johan	T SUTRADH AR
1.	PITCH IMPREGN	Respirable Particulate Matter		See	3	1.025 1.087 1.059	1.057	5.0	See Annexure	3	1 4	Below PEL		
	ATION UNIT # 3 SHOP	Sulphur Dioxíde	08:40 AM to	Annexure -I	3	0.019 0.025 0.016	0.020	5.0	-I	3	14	Below PEL	0	S.
	51.00	Nitrogen Dioxide	04:40 PM		3	0.036 0.042 0.034	0.037	6.0		3	!	Below PEL	y	CHATTAR AJ

PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Parbati Kidhti Authorized Signators

P-8/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228 Ph.: 03224-275765

Mob. - 94340 17584

e-mail: jayantasarkar67/a/gmail.com/ indicativeconsultantindia a 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 : BAKING RH # 24 (III)

2. Raw materials, by-products and finished products: See Annexure-1

3 Particular of Sampling :

1	3. Parti	icular of Sam	Date & Time	Sampling	Airb	orne Contami	nation	TWA Concentration as given in	Reference		of workers the location onitored	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Contaminant	of. Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ^r	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
		Suspended Particulate Matter			3	2.154 2.166 2.187	2.169	10.0		3.	-	Below PEL	John	T SUTRAD HAR
1:	BAKING	Respirable Particulate Matter	14.08.2024	See	3	0.947 0.968 1.025	0.980	5.0	See	3	- 4	Below PEL		HAN
	RH # 24 (III)	Sulphur Dioxide	09:40 AM	Annexure-1	3	0.019 0.023 0.015	0.019	5.0	Annexure-1	3	-	Below PEL	1	S. CHATT/
		Nitrogen Dioxide	05:40 PM		3	0.030 0.036 0.029	0.032	6.0		3		Below PEL	d	RAJ

PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Parbati Golfo Authorized Signatury

P 9/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 10 Form No. - 30

Ph.: 03224-275765 Mob. - 94340 17584 e-mail | jayantasarkar67(a)gmail.com/ indicativeconsultantindia a gmail.com

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-1

_		rticular of San	opling:	Sampling	Airbe	orne Contami	nation.	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block letters)
SI No	Departion / Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M	Avg. mg/M	2 nd Schedule (mg/M ²)	Method	Continuous Exposure	Short term Exposure		Samples	(citers)
1		S: spended Particulate	16.08.2024		3	2.475 2.488 2.527	2.497	10.0		3	4	Below PEL	Tabar	SUTRA DHAR
	Vot Toma	Respirable Particulate	10.500	6	3	1.211 1.236 1.221	1.223	5.0	See	3	-	Below PEL		
I.	LWG#3 SHOP	Matter Sulphur Dioxide	08:30 AM	See Annexure-1	3	0.021 0.027 0.019	0.022	5.0	Annexure-I	3	,,,	Below PEL	0	S. CHAT
		Nitrogen Dioxide	04:30 PM		3	0.030 0.035 0.028	0.031	6.0		3	-	Below PEL		ARA

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi-Authorized Signatory

P 10/25

HPL Link Road. Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 11

Ph.: 03224-275765 Mob. - 94340 17584 asarkar67@omail.com/

e-mail: jayantasarkar67(n)gmail.com/ indicativeconsultantindia@gmail.com

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 # 4 SHOP

2. Raw materials, by-products and finished products: See Annexure-1

T	3. Part	ticular of Sam	Date & Time	Sampling	Airb	orne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being me	he location onitored	Remark	Signature of person taking	Name (in block letters)
SI. No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument	No. of sample	Range mg/M ³	Avg mg/M	2 ^{nt} Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	(cite(s)
1		Suspended Particulate Matter	16,08,2024		3	1,995 1,967 1,991	1.984	10.0		3	100		Taray	T SUTRADI AR
	10/2 11	Respirable Particulate Matter		See	3	0.912 0.904 0.935	0.917	5.0	See	3	-	Below PEL		AB
71	LWG # 4 SHOP	Sulphur	09:00 AM to	Annexure-1	3	0.018 0.022 0.016	0.019	5.0	Annexure-1	3		Below PEL	0	S
		Nitrogen Dioxide	05:00 PM		3	0.036 0.044 0.034	0.038	6.0		3	1,4.	Below PEL	0	CHATTA

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi Authorized Signatory

P 11/25

HPL Link Road. Basudevpur, Khanjanchak. Haldia, Purba Medinipur-721602

Govt.Regn.No.-1.-64871; MSME Reg. No.: WB-12-0000228

Table No. - 12 Form No. - 30

Ph.: 03224-275765 Mob. - 94340 17584

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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 SHOP

2. Raw materials, by-products and finished products: See Annexure-1

3. Particular of Sampling:

	3. Par	Identified	Date & Time	Sampling	Airb	orne Contami	nution	TWA Concentration as given in	Reference	Number o exposed at t being m	he location	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Contaminant	of Monitoring	Instrument	No. of sample	Range mg/M	Avg mg/M	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
1		Suspended Particulate Matter	16,08,2024		3	1.728 1.764 1.741	1.744	10.0		3	-	Below PEL	Japon	
1.	LWG # 5 SHOP	Respirable Particulate Matter		See	3	0.758 0.789 0.767	0.771	5.0	See	3	9	Below PEL	21	AR
	Suoi	Sulphur Dioxide	09:30 AM to	Annexure-1	3	0.018 0.024 0.019	0,020	5.0	Annexure-1	.3	(a)	Below PEL	0)	
		Nitrogen Dioxide	05:30 PM		3	0.038 0.046 0.036	0.040	6.0		3	×	Below PEL	1	CHATTA RAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Coh Authorized Signatory

P 12/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 13 Form No. - 30

Ph.: 03224-275765 Mob. - 94340 17584

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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: FINISHING # 1 SHOP FLOOR

2. Raw materials, by-products and finished products: See Annexure-1

3. Particular of Sampling:

1	3. Part	icular of Sam	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being mo	he location	Remark.	Signature of person taking	Name (in block
SL No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
7		Suspended Particulate Matter	17.08.2024		3	2.278 2.305 2.294	2.292	10,0		3	1.2	Below PEL	labay	T. SUTRADI AR
To	FINISHING	Respirable Particulate Matter		See	3	1.163 1.187 1.193	1.181	5.0	See	3	-	Below PEL		7.00
	#1 SHOP FLOOR	Sulphur Dioxide	08:00 AM to	Annexure-1	3	0.020 0.026 0.019	0.022	5.0	Annexure-1	3	-	Below PEL	0	S
		Nitrogen Dioxide	04:00 PM		3	0.032 0.040 0.036	0.036	6.0		3	-	Below PEL	9	CHATTA

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golisi Authorized Signatory

P 13/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 14 Form No. - 30

Ph.: 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67/a gmail.com/ indicative consultant india a gmail.com

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: FINISHING # 2 SHOP FLOOR

2. Raw materials, by-products and finished products: See Annexure-1

7		cular of Samp	ling : Date & Time	Sampling	Airbor	ne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being me	he location mitored	Remark	Signature of person taking	Name (in block letters)
SL No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	icticis
		Suspended Particulate Matter	17.08.2024		3	2.354 2.378 2.322	2.351	10.0		3		Below PEL	Jahon	T. SUTRA
į.	FINISHING	Respirable Particulate Matter	17.00.2024	See	3	1,435 1,494 1,473	1.467	5.0	See	3.	3	Below PEL		7.05
	# 2 SHOP FLOOR	Sulphur Dioxide	08:30 AM to	Annexure-1	3	0.018 0.026 0.017	0.020	5.0	Annexure-I	3		Below PEL	C	S. CHAT
		Nitrogen Dioxide	04:30 PM		3	0.036 0.045 0.034	0.038	6.0		3		Below PEL		RA

PEL Permissible Exposure Limit

For INDICATIVE CONSULTANT INDIA

Parbati Golui Authorized Signator

P 14/25

HPI. Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 15

Ph.: 03224-275765 Moh. – 94340 17584

e-mail jayantasarkar67 a gmail.com/ indicativeconsultantindia a gmail.com

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: FINISHING # 3 SHOP FLOOR

2. Raw materials, by-products and finished products: See Annexure-1

1	3. Partico	ular of Sampl	ing : Date & Time	Sampling	Airbor	ne Contamin	ation	TWA Concentration as given in	Reference	Number of exposed at being m		Remark	Signature of person taking	Name (in block letters)
SL No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M ³	Avg. mg/M ⁵	2 nd Schedule (mg/M ⁵)	Method	Continuous Exposure	Short term Exposure		Samples	ienersy
		Suspended Particulate Matter	17.08.2024		3	2.874 2.898 2.849	2.874	10.0		3	-	Below PEL	about	T. SUTRAD
ī.	FINISHING	Respirable Particulate Matter		See	3	1.297 1.315 1.329	1.314	5.0	See Annexure-	3	9-1	Below PEL		
	#3 SHOP FLOOR	Sulphur Dioxide	09:00 AM to	Annexure-	3	0.020 0.025 0.017	0.021	5.0	1	3	-	Below PEL	0	S.
		Nitrogen Dioxide	05:00 PM		3	0.031 0.043 0.033	0.036	6.0		3	12	Below PEL		CHATTA AJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Ciolui Authorized Signatory

P 15/25

HPL Link Road, Basudevpur, Khanjanchak Haldia. Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 16

Ph.: 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67/agmail.com/ indicativeconsultantindia/agmail.com

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 FINES SCREENING SHOP

2. Raw materials, by-products and finished products: See Annexure-1

7	3. Parti	cular of Samp	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block
St. No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument	No. of sample	Range mg/M ³	Avg. mg/M³	2 nd Schedule (mg/M³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
		Suspended Particulate Matter	19.08.2024		3	3.235 3.257 3.221	3.238	10.0		3	- 6	Below PEL	TOPON	T. SUTRA HAR
1.	GRAPHITE	Respirable Particulate Matter		See	3	1,687 1,674 1,663	1.675	5.0	See	3	1.3.1	Below PEL		HAR
	FINES SCREENIN G SHOP	Sulphur Dioxide	09:00 AM to	Annexure-1	3	0.029 0.036 0.025	0.030	5.0	Annexure-1	3	-	Below PEL	3	S.
	G SHOT	Nitrogen Dioxide	05:00 PM		3	0.037 0.045 0.033	0.038	6.0		3	1.	Below PEL		CHAT

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi Authorized Signatory

P 16/25

HPL Link Road. Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 17

Ph.: 03224-275765 Mob. - 94340 17584

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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: CANTEEN (KITCHEN ARA)

2. Raw materials, by-products and finished products: See Annexure-1

T	3. Part	icular of Sam	pling : Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at I being me	he location mitored	Remark	Signature of person taking	Name (in block letters)
No.	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument	No. of sample	Range mg/M³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	teners)
		Suspended Particulate Matter	19.08.2024		3	1.224 1.187 1.206	1,206	10.0		3		Below PEL	Jaban	T. SUTRAD
ic	CANTEEN	Respirable Particulate Matter		Sec	3	0.732 0.747 0.711	0.730	5.0	See	3	-	Below PEL		Ass
Y	(KITCHE N AREA)	Sulphur Dioxide	07:30 AM to	Annexure-1	3	0.020 0.023 0.017	0.020	5.0	Annexure-1	3	- 2	Below PEL	10	S.
		Nitrogen Dioxide	03:30 PM		3	0,036 0.043 0.034	0.038	6.0		3		Below PEL	1	CHAIT?

PEL – Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Parbati Golui // Authorized Signatory

P 17/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 18

Ph.: 03224-275765 Mob. — 94340 17584 uasarkar67/wgmail.com/

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

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 : RH - 24 (II)

2. Raw materials, by-products and finished products: See Annexure-1

1	3. Par	rticular of San	Date & Time	Sampling	Airbo	ne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block
SL. No	Operation Monitoring	Identified Contaminant	of Monitoring	Used	No. of sample	Range mg/M³	Avg. mg/M³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
		Suspended Particulate Matter	19.08,2024		3	1.451 1.415 1.432	1.433	10.0		3		Below PEL	Japan	
ī.	RH – 24	Respirable Particulate Matter		See	3	0.784 0.804 0.769	0.786	5.0	See	3	-	Below PEL		AR
	(II)	Sulphur	08:30 AM to	Annexure-1	3	0.019 0.025 0.016	0.020	5.0	Annexure-1	3		Below PEL	9	5
		Nitrogen Dioxide	04:30 PM		3	0.032 0.042 0.030	0.035	6.0		3	9	Below PEL		CHATT/ AJ

PEL – Permissible Exposure Limit.

For INDICATIVE CONSULTANT INDIA

Parbati Golui Authorized Signatory

P 18/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 19

Ph.: 03224-275765 Mob. - 94340 17584

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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

1	3. Particu	lar of Sampl	Date & Time	Sampling	Airbo	ne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being me	he location	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Identified Contaminant	of Monitoring	Listrament	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
1.		Suspended Particulate Matter	20.08.2024		3	2.654 2.694 2.668	2.672	0.01		3	1.3	Below PEL	Japan	T: SUTRAD AR
	PITCH IMPREGNATI	Respirable Particulate Matter		See	3	1,375 1,362 1,387	1.375	5.0	See	3	160	Below PEL		AN
	ON UNIT#4	Sulphur Dioxide	08:10 AM to	Annexure-1	3	0.018 0.027 0.019	0.021	5.0	Annexure-1	3	41	Below PEL	8	S
		Nitrogen Dioxide	04:10 PM		3	0.039 0.044 0.038	0.040	6.0		3	1.5	Below PEL		CHATT

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi

Authorized Signatory

P 19/25

441016

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 20 Form No. - 30

Ph: 03224-275765 Mob. - 94340 17584

v-mail: jayantasarkar67/a gmail.com/ indicativeconsultantindia a gmail com

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

П	3. Par	ticular of Samp	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference Method	Number of exposed at t being me	he location mitored	Remark	Signature of person taking	Name (in block letters)
SL No	Operation Monitoring	Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2nd Schedule (mg/M³)	Method	Exposure	Short term Exposure		Samples	Activis,
		Suspended Particulate Matter	21.08.2024		3	3,874 3,895 3,866	3.878	10.0		3	1.54	Below PEL	apay	T. SUTRA HAR
1. At	LWG UNIT#4	Respirable Particulate Matter	21.00.202	See	3	1.925 1.874 1.911	1.903	5,0	See	3	-2	Below PEL		
	BAGGING AREA (DURING	Sulphur	09:00 AM to	Annexure-I	3	0.020 0.025 0.018	0.021	5.0	Annexure-1	3	-	Below PEL	0	S. CHAT
	BAGGING)	Nitrogen Dioxide	05:00 PM		3	0.040 0.045 0.038	0.041	6.0		3	1.	Below PEL	7	RAJ

PEL Permissible Exposure Limit.

For INDICATIVE CONSULTANT INDIA

P 20/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 21

Ph.: 03224-275765 Mab. = 94340 17584

e-mail ; jayantasarkar67/a gmail com/ indicativeconsultantindia a gmail com

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 : STORE SHOP FLOOR

2. Raw materials, by-products and finished products: See Annexure-1

T	J. Pa	rticular of Sam	Date & Time	Sampling	Airbo	ne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at the being me	he location	Remark	Signature of person taking	Name (in block
SL. No	Operation Monitoring	Identified Contaminant	of Monitoring	Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
L		Suspended Particulate Matter	21.08.2024		3	3.145 3.254 3.197	3.199	[0,0]		3	*	Below PEL	TOPOM	T. SUTRAD
	STORE	Respirable Particulate Matter		See	3	2.147 2.185 2.201	2.178	5.0	See	3	(-1)	Below PEL		AR
	SHOP	Sulphur Dioxide	09:40 AM to	Annexure-1	3	0.015 0.029 0.014	0.019	5.0	Annexure-1	3	1,5	Below PEL	0	S.
		Nitrogen Dioxide	05:40 PM		3	0.032 0.042 0.030	0.035	6.0		3		Below PEL	1	CHATTA AJ

PEL Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Authorized Signatory

P 21/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 22 Form No. - 30

Ph.: 03224-275765 Moh. - 94340 17584 e-mail: jayamasarkar67 a gmail.com/ indicativeconsultantindia a gmail.com

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 :

	3. Partic	ular of Sampl	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being mo	he location	Remark	Signature of person taking	Name (in block
SI. No.	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M ³	Avg. mg/M ^J	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
I.		Suspended Particulate Matter	21.08.2024		3	3.041 3.155 3.121	3.106	10.0		3.	15	Below PEL	Japan	T - SUTRADI AR
	MAINTANA	Respirable Particulate Matter		See	3	1.322 1.384 1.286	1.331	5.0	See	3	152.1	Below PEL		
	NCE SHOP FLOOR	Sulphur Dioxide	09:50 AM to	Annexure-1	3	0.014 0.027 0.013	0.018	5.0	Annexure-I	3	-	Below PEL	0	
		Nitrogen Dioxide	05:50 PM		3	0.040 0.044 0.035	0.040	6.0		3	-	Below PEL		CHATTA AJ

PEL Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Parbati Colm Authorized Signator

P 22/25

HPL Link Road. Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871: MSME Reg. No.: WB-12-0000228

Table No. - 23 Form No. - 30

Ph: 03224-275765 Moh - 94340 17584

e-mail: jayantasarkar67(a gmail com/ indicative consultant india a gmail.com

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-1

1	3. Partic	cular of Samp	Date & Time	Sampling	Airbo	rne Contami	ination	TWA Concentration as given in	Reference	Number of exposed at t being me	the location	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Identified Contaminant	of Monitoring	Used	No. of sample	Range mg/M³	Avg. mg/M³	2 rd Schedule (mg/M ³)	Method	Confinuous Exposure	Short term Exposure		Samples	letters)
		Euspended Particulate Matter	22.08.2024		3	3.574 3.589 3.604	3.589	10.0		3		Below PEL	Johay	PER PART AND A PART AN
	LWG #5 AUTO DUST	Respirable Particulate Matter		See	3.	2.154 2.178 2.132	2.155	5.0	See	3	-	Below PEL		HAR
l.	BAGGING AREA (DURING	Sulphur Dioxide	08:00 AM to	Annexure-1	3	0.016 0.027 0.014	0.019	5.0	Annexuré-1	3	-2	Below PEL	0	S
	BAGGING)	Nitrogen Dioxide	04:00 PM		3	0.037 0.044 0.034	0.038	6.0		3	-	Below PEL		CHAIT? RAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goldi Authorized Signator

P 23/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

Form No. - 30 Table No. - 24

Ph.: 03224-275765 Mob. - 94340 17584

e-mail . jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

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-1

	3. Partic	cular of Samp	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being me	he location	Remark	Signature of person taking	Name (in block letters)
SL No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M³	Avg. mg/M ³	2 nd Schedule (mg/M³)	Method	Continuous Exposure	Short term Exposure		Samples	ietters)
		Suspended Particulate Matter	22.08.2024		3	3.358 3.397 3.365	3.373	10.0		3	9.		Japan	T. SUTRAL HAR
	GRAPHITE	Respirable Particulate Matter		See	3	1.921 1.874 1.905	1,900	5.0	See	3	-	Below PEL		1
	ACHESON SHOP	Sulphur Dioxide	09:00 AM to	Annexure-1	3	0.019 0.023 0.017	0.020	5.0	Annexure-1	3.	-	Below PEL	2	S.
		Nitrogen Dioxide	05:00 PM		3	0.038 0.044 0.037	0.040	6.0		3		Below PEL		CHATT

PEL - Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Authorized Signatory

P 24/25

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

Form No. - 30 Table No. - 25

Ph.: 03224-275765 Mob. – 94340 17584 e-mail : jayantasarkar67/a gmail.com/ indicativeconsultantindia/a gmail.com

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.

Name of the Department/Plant: BAKING RH – 14 SHOP

2. Raw materials, by-products and finished products: See Annexure-1

T	3. Parti	icular of Samp	Date & Time	Sampling	Airbo	rne Contami	nation	TWA Concentration as given in	Reference	Number of exposed at t being mo	he location	Remark	Signature of person taking	Name (in block
SI. No	Operation Monitoring	Identified Contaminant	of Monitoring	Instrument Used	No. of sample	Range mg/M ³	Avg. mg/M ³	2 nd Schedule (mg/M ³)	Method	Continuous Exposure	Short term Exposure		Samples	letters)
1.		Suspended Particulate Matter	23.08.2024		3	3,641 3,715 3,702	3.686	10.0		3	9	Below PEL	apay	T: SUTRAI HAR
	BAKING	Respirable Particulate Matter		See	3	1.966 2.014 2.125	2.035	5.0	See	3		Below PEL		HAK
	RH – 14 SHOP	Sulphur Dioxide	10:00 AM to	Annexure-1	3	0.017 0.025 0.016	0.019	5.0	Annexure-1	3	-	Below PEL	2	S
		Nitrogen Dioxide	06:00 PM		3	0.039 0.045 0.038	0.041	6.0		3	6.	Below PEL	1	CHAT

PEL Permissible Exposure Limit

For, INDICATIVE CONSULTANT INDIA

Authorized Signato

P 25/25

Form No. - 30

Table No. - 1

Ph.: 03224- 275765

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602

Mob. – 94340 17584 e-mail ; jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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.: 2nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)		<0.1	260		Below PEL	. 10	A
BAKING	Ethyl Alcohol (as C ₂ H ₅ OH)	14.08.2024	<0.1	1900		Below PEL	m	BHATTACHARYA
RH # 24 (III)	Formic Acid (as HCOOH)	09:40 AM	<0.05	9	See Annexure-1	Below PEL		
	Benzene (as C ₆ H ₆)	to 05:40 PM	<0.05	20		Below PEL	0	p.
	Toluene (as C ₆ H ₅ CH ₃)	1, 5,00	<0.05	375		Below PEL		CHATTARAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbeix Colu

P 1/6

Form No. - 30

Table No. - 2

Ph.: 03224-275765 Mob. - 94340 17584

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 GovtRegn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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: 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	FWA Concentration as given in Factory's Act: 2 rd Schedule (mg/M ³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)		<0.1	260		Below PEL	m	A. BHATTACHARYA
RIED	Ethyl Alcohol (as C ₂ H ₅ OH)	13.08.2024	<0.1	1900		Below PEL	1.0	BIATTACHASTA
HAMMER 24 (I)	Formic Acid (as HCOOH)	08:40 AM	<0.05	9	See Annexure-1	Below PEL		
24 (I) SECTION SHOP	Benzene (as C ₆ H ₆)	to 04:40 PM	<0.05	20		Below PEL	9	S. CHATTARAJ
	Toluene (as C ₆ H ₅ CH ₇)		<0.05	375		Below PEL		

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Colui

P 2/6

Form No. - 30

Table No. - 3

Ph.: 03224- 275765

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602

Mob. - 94340 17584

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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 nd Schedule (mg/M ³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)		<0.1	260		Below PEL	Star	
	Ethyl Alcohol (as C ₂ H ₅ OH)	13.08.2024	<0.1	1900		Below PEL	mg	BHATTACHARYA
BAKING TUNNEL	Formic Acid (as HCOOH)	09:10 AM	< 0.05	9	See Annexure-1	Below PEL		
KILN SHOP	Benzene (as C ₆ H ₆)	to 05:10 PM	<0.05	20		Below PEL	0	
34 - 1	Toluene (as C ₆ H ₅ CH ₃)	2024-0	< 0.05	375		Below PEL	0	CHATTARAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Golu

P 3/6

Form No. - 30

Table No. - 4

Ph.: 03224- 275765 Mob. - 94340 17584

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602 Goyt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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: 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 nd Schedule (mg/M ³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (is CH ₃ OH)	1.00.2024	<0.1	260		Below PEL		A
P.I. UNIT – 2 SHOP	Ethyl Alcohol (as C ₂ H ₅ OH)	14.08.2024	<0.1	1900		Below PEL	mg	BHATTACHARYA
	Formic Acid (as HCOOH)	08.20 434	<0.05	9	See Annexure-1	Below PEL	-	
	Benzene (as C ₆ H ₆)	08:20 AM to	<0.05	20		Below PEL	9	S
	Toluene (as C ₆ H ₅ CH ₃)	04:20 PM	< 0.05	375		Below PEL		CHATTARAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Colui
Authorized Signatory

P 4/6

Form No. - 30

Table No. - 5

Ph.: 03224- 275765

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602

Mob. - 94340 17584

Govt.Regn.No.-L-64871; MSME Reg. No.; WB-12-0000228

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: 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 :2 nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)	22.00.2027	<0.1	260		Below PEL		×
	Ethyl Alcohol (as C ₂ H ₃ OH)	22.08.2024	<0.1	1900		Below PEL	nz	BHATTACHARYA
CHESON	Formic Acid (as HCOOH)	00.00.434	<0.05	9	See Annexure-1	Below PEL		
SHOP	Benzene (as C ₆ H ₆)	09:00 AM to	<0.05	20		Below PEL	9	5
	Toluene (as C ₆ H ₅ CH ₃)	05:00 PM	<0.05	375		Below PEL		CHATTARAJ

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Bolin Authorized Signator

P 5/6

Form No. - 30

Table No. - 6

Ph.: 03224- 275765

HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur-721602

Mob. - 94340 17584

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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: 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 nd Schedule (mg/M³)	Sampling Instrument used and Reference method	Remark	Signature	Name (in block letters)
	Methyl Alcohol (as CH ₃ OH)	7	<0.1	260		Below PEL		Α.
	Ethyl Alcohol (as C ₂ H ₅ OH)	16.08.2024	<0.1	1900		Below PEL	mg	BHATTACHARY A
LWG-4	Formic Acid (as HCOOH)	09:00 AM	<0.05	9	See Annexure-1	Below PEL		
SHOP	Benzene (as C ₆ H ₆)	to 05:00 PM	< 0.05	20		Below PEL	0	5
	Toluene (as C ₆ H ₅ CH ₅)		< 0.05	375		Below PEL		CHATTARAI

PEL - Permissible Exposure Limit.

For, INDICATIVE CONSULTANT INDIA

Parbati Goloi -

P 6/6

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 1

Ph.- 03224-275765

Mob. - 94340 17584 e-mail = jayantasarkar67@gmail.com/

indicativeconsultantindia a gmail com

Distance from the Machine : 3.0 M

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Unight from the floor: 15M

reigi	it from the He	M C.1 : 100									ristance ne	mi the macin	IIIC - J.W IV
SI. 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
						83.8							T
						84.6						- hart	SUTRAD
						83.9			Farrance			apart	HAR
	EXTRUSI					82.2			Exposure Limit for			- 1	
1.	ON #2	Noise level	14.08.2024	04:10 PM	Annexure- I	81.8	83.2	8 hrs.	Industrial	Annexure-1	3		
	PRESS	Monitoring				83.4	22.0		workers				
	FLOOR					83.2			(8 hrs.) =			1	S;
				()		82.6		1	90 dB(A)			1	CHATTA
						83.9	-						RAJ
						82.8							

For, INDICATIVE CONSULTANT INDIA

P 1/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30 Table No. - 2 Mob. - 94340 17584

Ph - 03224-275765

e-mail : jayantasarkar67@gmail.com/ Indicativeconsultantindia a gmail.com

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

SI. 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
						82.8							
						84.1						11.0	T
						83.9			P. V. L			about	SUTRADH
	EXTRUSI					81.8			Exposure Limit for			1	AR
1.	ON #2 14	Noise level	14.08.2024	04:55 PM	Annexure- I	82.6	83.0	8 hrs.	Industrial	Annexure-	3		
	METER	Monitoring	17/22/10/09/5	C. C. C. C. C. C.	200000000000000000000000000000000000000	83.9	1000	1	workers	1			
	FLOOR					82.4			(8 hrs.) =			0-	-
						82.8			90 dB(A)			5	S. CHATTAR
						83.9							Al
						81.9							1 1 1 1 1 1

For, INDICATIVE CONSULTANT INDIA

Authorized Signator

P 2/22

HPL Link Road. Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871: MSME Reg, No.: WB-12-0000228

Form No. - 30

Table No. - 3

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

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

SI. 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
						83.0							Ť.
						84.1						Coul.	SUTRADH
	w. com					82.6			Francisco .			lo	AR
	BAKIN					83.9			Exposure Limit for				
T.	G RH - 24 (III)	Noise level	14.08.2024	02:30 PM	Annexure- I	85.8	83.9	8 hrs.	Industria	Annexure- I	3		
1,	SHOP	Monitoring	14.00.2024	02.50 1.11	Annexare-1	84.6	0.00	to this.	1 workers	Anne.xure-1	-		
	FLOOR					83.8			(8 hrs.) =	2		0	
	A ROBERT					83.4			90 dB(A)			C	S.
						84.1			Call Control			0	CHATTAR
						83.9				/			AJ

For, INDICATIVE CONSULTANT INDIA

Parbati polario

P 3/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 4

Ph.- 03224-275765

Mob. - 94340 17584

e-mail: jayantasarkar67(a.gmail.com/ indicativeconsultantindia a.gmail.com

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

SI. 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
						82,9							
			1			84.0						de	T.
	BANDE		1			84.6			Exposure			Jobay	
	BAKING RH- 14		1			84.4		-	Limit for			0	HAR
1.	SECTIO	Noise level	14.08.2024	12:55 PM	Annexure- I	83.2	83.8	8 hrs.	Industrial	Annexure-1	3	100	
	N	Monitoring	100000000000000000000000000000000000000	Para San		83,6		2.00	workers				
	SHOP					84.2			(8 hrs.) =			1	
	FLOOR					83.9			90 dB(A)			0	S. CHATTA
			1			84.6							RAJ
						82.8							,,,,,,

For, INDICATIVE CONSULTANT INDIA

Parbati Collins

P 4/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. -30

Table No. -5

Ph.- 03224-275765

Mob. - 94340 17584

e-moil : jayantasarkar67(a.gmail.com/ indicativeconsultantindia(a.gmail.com

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
						83.0 82.1							
						83.9						Total	T. SUTRADE
	BAKING RH- 16					84.1			Exposure Limit for			1	AR
t:	SHOP	Noise level	14.08,2024	12:15 PM	Annexure-1	85.6 83.6	84.0	8 hrs.	Industrial	Annexure- I	3		
	FLOOR	Monitoring				83.0			(8 hrs.) =			2	
	1 1 1				1	84.1			90 dB(A)			8	S.
						84.9			10.700.00			0	CHATTAR
						85,4							AJ

For, INDICATIVE CONSULTANT INDIA

Parban Collei Authorized Signatory

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 6

Ph-03224-275765 Mob. - 94340 17584

e-mail: Jayantasarkar67(a gmail.com/ indicative consultantindia a gmail com

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

SI. No	Location	floor: 1.5 M 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
	i i					83.6							
					1 1	81.9						Labor	T.
	BAKING					82.4			t.			area	SUTRADHA
	RH-					84.2			Exposure Limit for			1	R
	24(1)	Marian Insuit	14.08.2024	11:20 AM	Annexure- I	83.9	83.0	8 hrs.	Industria	Annexure-1	3		
1:	SECTIO	Noise level Monitoring	14.08.2024	11:20 AN	Annexure-1	82.1	100.0	G. Hist.	1 workers	Timacian C. 1			
	SHOP	Monitoring				83.8			(8 hrs.) =			0.	
	FLOOR				1	82.0			90 dB(A)			5	6
	1.65% 3671					83.6			7			0	CHATTARA
						82.4	1					7	Samuel Grand

For INDICATIVE CONSULTANT INDIA

Parbati Goldingy Authorized signatory.

P 6/22

HPL Link Road. Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

e-

Table No. - 7

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67/a gmail.com/ indicativeconsultantindia/a gmail.com

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor: 1.5 M

Heigh	ht from the	floor: 1.5 M									Distance f	rom the Mac	hine 13.0 f
SI. 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
						84.6							
						83.8						on bay	T
	1			1	I (83.6			Post			Japan	SUFRAD
	BAKIN		1			82.5			Exposure Limit for				AB
1.	G RH -	Noise level	14.08.2024	01:40 PM	Annexure- 1	83.1	83.9	8 hrs.	Industria	Annexure-1	3		
-	24 (11)	Monitoring	The strangers	0.000	, Digital (1)	84.9	1,141.0	50000	1 workers	desire de la constante de la c			
	110000					85.3			(8 hrs.) =			12	
						82.8			90 dB(A)			8	S.
	1			11 8		83.9							CHATTA
						84.0							AJ

Form No. - 30

For, INDICATIVE CONSULTANT INDIA

Authorized Signator

11.7/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 8

90 dB(A)

Ph.- 03224-275765 Mob. - 94340 17584

e-mail . jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

Distance from the Machine: 3.0 M

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

Height from the floor: 1.5 M

SI. No	Location	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Limit	Reference Method	Of Persons exposed	Signature of person taking sample	Name in block letters
						82.8							
						84.6						1 au	T.
					1	83.9			Par your			Japay	SUTRAD
	BIRING					84.8			Exposure Limit for				HAN.
1	BAKING TUNNE	Noise level	14.08.2024	10:30 AM	Annexure-1	83.9	83.8	8 hrs.	Industrial	Annexure- 1	3		1 1
3.0	L KILN	Monitoring	14.00.2024	10.50 /414	Annexare-1	82.7	02.0	0.111.31	workers	-dance -	7		1 1
	SHOP	institution in g				83.6			(8 hrs.) =			21	

84.0

83.1

84.2

For, INDICATIVE CONSULTANT INDIA

Authorized Signator

P-8/22

CHATTA

RAI

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 9

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67/a/gmail.com/ indicativeconsultantindia/a/gmail.com

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

SI. 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
						84.6						Sample	
						83.8	1 1					Day.	T.
	PITCH IMPRE		82.9	1 1					Topas	SUTRA			
		[84.0]		Exposure				HAR			
Ċ.	GNATI	Noise level	13.08.2024	04:35 PM	Annexure- 1	83.8	83.5	8 hrs.	Limit for Industrial	Annexure-	-2	100	
40	ON	Monitoring	13.00.2024	04.551 11	Anne.cure-1	82.8	0.5,5	o ma.	workers	I I	,		
	UNIT#2	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		[83.1] [(8 hrs.) =		8	0	
	SHOP		1		[82.6] [90 dB(A)			9	S.
					1 [84.4]						CHATT
						82.8							RAJ

For INDICATIVE CONSULTANT INDIA

Parbati Goldi Authorized Signatory

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. – 30 Table

Table No. - 10

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a/gmail.com/ indicativeconsultantindia/a/gmail.com/

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

SI. 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
			V			83.8							
- 1						82.6						Cass	T
		1				83.9						Tapan	SUTRAD
	PITCH		Maria de la compansión de			84.1			Exposure Limit for			1	HAR
1.	IMPREG NATION	Noise level	13.08.2024	05:10 PM	Annexure- I	83.6	83.3	8 hrs.	Industria	Annexure- I	3		
* X	UNIT#3	Monitoring	15.00.2024	02.10 1 11	January 1	82.9	,,,,,,	0 111.0	1 workers	Time.time 1	0 2 8		
	SHOP	in the state of th				83.2			(8 hrs.) =		D 0	0	100
	0.00					82.6			90 dB(A)			1	S. CHATTA
						83.4						-	RAJ
					1	82.8				-			1879

For INDICATIVE CONSULTANT INDIA

Parboti Goldi Authorized Signatory

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 12

Ph.- 03224-275765

Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

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

SI. 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	13.08.2024	03:15 PM	Annexure- I	82.9 83.4 82.8 81.9 83.6	82.8	8 hrs.	Exposure Limit for Industrial	Annexure-1	3	Japan	T. SUTRADI AR
		Monitoring	15.00.5021			82.2 81.9 83.4 82.8 82.6		2.11.31	workers (8 hrs.) = 90 dB(A)			9	S. CHATTAF AJ

For, INDICATIVE CONSULTANT INDIA

Parbatic of Signatory &

HPL Link Road. Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. -30

Table No. - 13

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a)gmail.com/ indicativeconsultantindia@gmail.com

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 t	he	Mac	hine		30	M
LA LA LULLING	BA STREET	410	A THE SECOND	111115	14	20.00	47.4

SI. 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
						83.8							
					1 [81.9						Johny	T.
	1				[82.4			Partie			O	SUTRADE
	LWG#4					84.0			Exposure Limit for			1.1	AR.
ī	SHOP	Noise level	13.08.2024	04:00 PM	Annexure-1	82.9	82.9	8 hrs.	Industrial	Annexure-1	3		
Jz	Silvi	Monitoring	15.00.2024	04.001.01	Anne.ture-1	82.8	1	5 10 52	workers	- Innecture 7			
					1	81.0	1		(8.hrs.) -			20	
						83.8			90 dB(A)			6	S.
	1 1				1 1	82.8						0	CHATTAR
						84.0	1			-			AJ

For, INDICATIVE CONSULTANT INDIA

Authorized 8

P 13/22

HPL Link Road, Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 14

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67(a)gmail.com/ indicativeconsultantindia(a)gmail.com

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
						79.3				-			
	1000				1 1	80.4						1244	37
	LWG					78.4			P. 1773.5.			Japan	SUTRAD
	UNIT#4					79.3			Exposure Limit for			2	HAR
	(AUTO	Noise level	13.08.2024	02:40 PM	Annexure- I	81.1	79.6	8 hrs.	Industrial	Annexure-	3	1.20	
Ju.	BAGGIN.	Monitoring	13.06.2024	02.40 FM	Aunexure-1	79.0	73.0	O ms.	workers	1	- 1		
- 11	G AREA)	Montering				80.1	1		(8.hrs.) -			0-	
	S. S					79.3			90 dB(A)			15	S.
					1	80.2]						CHATTA RAJ
						78.8				10			KAR

For, INDICATIVE CONSULTANT INDIA



HPL Link Road, Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 15

Ph- 03224-275765

Mob. - 94340 17584

e-mail: jayantasarkar67(a)gmail.com/ indicativeconsultantindia(a)gmail.com/

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

SI. 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
						81.6						-	-
						82.4						Japan	T. SUTRADE
						80.9			Exposure			apa	AR
	LWG#5					79.8			Limit for			2	10000
1.	SHOP	Noise level	13.08.2024	02:05 PM	Annexure-1	81.1	81.8	8 hrs.	Industrial	Annexure-	3		
	1.00.23.00.00	Monitoring	350312321	3.00	Cantilled title 1 200	83.4		-	workers	1			
	i I					81.9	1		(8 hrs.) =		1	0	
						81.6			90 dB(A)			5	S.
						83.2			1000				CHATTAI
						82.4		-	-		-		AJ

For INDICATIVE CONSULTANT INDIA



HPL Link Road, Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 16

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia@gmail.com

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

SI. 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
						81.4							
						83.9						/ad	T.
		1 8				82.8						Tabar	SUTRADE
						84.6			Exposure			01	AR
L	#1 SHOP	Noise level	13.08.2024	10:05 AM	Annexure-1	82.)	83.1	8 hrs.	Limit for Industrial	Annexure-	3		
14	FLOOR	Monitoring	15.06.2024	10.05 AM	Annexure- 1	83.1	05.1	o ma.	workers	1	8		
	regan	Montanig				82.2			(8 hrs.) =			0	11 2
						84.0			90 dB(A)			5	S.
						83.9						0	CHATTAI
					1	82.6	1						(4)

For, INDICATIVE CONSULTANT INDIA

Parbati Golui Authorized Signator

P 16/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt, Regn. No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. -30

Table No. - 17

Ph - 03224-275765 Mob. - 94340 17584

e-mail : jayantasarkar67/a gmail.com/ indicativeconsultantindia/a gmail.com

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

SI. 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
						82.9						-	T:
		1			1	81.8						Tabay	SUTRAD
	3000000					82.2			A			late	HAR
	FINISHING					83.8			Exposure				
V.	#2 SHOP	Noise level	13.08.2024	10:35 AM	Annexure- I	84.2	83.4	8 hrs.	Limit for Industrial	Annexure-1	3		
10	FLOOR	Monitoring	13.06.2024	10:35 AM	Annexure- 1	83.8		o ms.	workers	Annexure-1	3		
	7,433,44	Stolittering.			1	85.1			(8 hrs.) =			0	
						82.8			90 dB(A)			5	S.
						83.6			4 20 016 16			1	CHATTA
						84.0							RAJ

For, INDICATIVE CONSULTANT INDIA



HPL Link Road, Basudevpur, Khanjanchak

Haldia: Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 18

Ph.- 03224-275765

Mob. - 94340 17584 e-mail : javantasarkar67@gmail.com/

indicativeconsultantindia@gmail.com

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

SI. 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
						83.9							
					l 1	82.2						Lat.	T.
	2011/06/11/17/20				1	81.6						apart	SUTRAL
	#3 SHOP					83.8			Exposure			1	HAR
1	FLOOR	Noise level	13.08.2024	11:10 AM	Annexure-1	84.0	83.5	8 hrs.	Limit for Industrial	Annexure-1	2		
1-	LOOK	Monitoring	15.00.2024	11:10 AM	Annexure-1	83.8		0 111.5.	workers	Annexure-1	3		
		months in g				84.9	1		(8 hrs.) =	1		0	
					1	82.8	1		90 dB(A)			6	8
						83.1	1		1				CHATTA
						84.4							RAJ

For, INDICATIVE CONSULTANT INDIA

Parbatics of Authorized Signatory

P 18/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Table No. - 19

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasurkar67@gmail.com/ indicativeconsultantindia@gmail.com

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

SI. 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
	-					81.3							77
						79.4						w way	T. SUTRAD
						78.8			200			art	HAR
	GRAPHITE	/				82.2			Exposure				
	ACHESON	Noise level	14.08.2024	03:10 PM	Annexure- I	80.1	81.2	8 hrs.	Limit for Industrial	Annexure- I	3		
1:	SHOP	Monitoring	14.08.2024	03.101 1	June, cure-1	83.4		0.103.	workers	Annexare- I	,		
	1	With the state of				82.1			(8 hrs.) =			0.	
			l /			80.8			90 dB(A)			5	S.
)				82.4							CHATTA RAJ
						81.9							KAJ

Form No. - 30

For, INDICATIVE CONSULTANT INDIA



HPL Link Road, Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 20

Ph.- 03224-275765

Mab. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicativeconsultantindia a gmail com

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

SI. No	ht from the floor	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							
						83.9						-	T.
	Language Contraction					82.6			Formania			tabay	SUTRAD
	GRAPHITE					84.1			Exposure Limit for			10	HAR
4	FINES	Noise level	13.08.2024	11:40 AM		83.8	83.2	8 hrs.	Industrial	Annexure- 1	3		
4.	SCREENING SHOP	Monitoring	15.06.2024	1.1.40 /3.11	Annexure-1	82.9		32 (0.3)	workers	Zimickare 2			
	Shor	Widilitoring				83.0			(8 hrs.) =			0	
						82.4	1		90 dB(A)			1	S.
						83.8							CHATTA RAJ
						82.9							100

For, INDICATIVE CONSULTANT INDIA

Parbati Ca Authorized Signator

P 20/22

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 21

Ph.- 03224-275765 Mob. - 94340 17584

e-mail: jayantasarkar67/a/gmail.com/

indicative consultantindia a gmail com

Result of Analysis: M/s. GRAPHITE INDIA LTD.,

Address: Dist - Paschim Bardhaman, Durgapur, PIN -713211, West Bengal

SI. 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
						79.8							T
						81.4						End	SUTRAD
1					1 1	80.6			P.777			aport	HAR
- 1/						82.2			Exposure			1	1 000
4.1	CORE	Noise level	13.08.2024	12:15 PM	Annexure-1	80.4	80.5	8 hrs.	Limit for Industrial	Annexure- I	3		
li.	SAMPLE	Monitoring	13,00.2024	12.12 ()	Annexure-1	78.9		o ms.	workers	Annexure- 1			
	SHED	resource			1	79.3			(8 hrs.) =			01	
	and the same				1	81.0			90 dB(A)			9	S.
					1 1	79.0			12.4.400			-	CHATTA RAJ
					ĺ	81.9							K/AJ

For, INDICATIVE CONSULTANT INDIA

Parbati Goline Authorized Signatory

P 21/22

HPL Link Road. Basudevpur, Khanjanchak Haldia; Purba Medinipur-721602

Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 22

Ph.- 03224-275765

Moh. - 94340 17584

e-mail: jayantasarkar67/a/gmail.com/ indicativeconsultantindia/a/gmail.com/

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

SI. No	Parameter	Date of Monitoring	Starting Time	Sampling Instrument Use	Sound Level dB(A)	Average Reading	Total Time	Lîmit	Reference Method	Number of Persons exposed	Signature of person taking sample	Name in block letters
FINISHI I. NG UNIT #4	The state of the s	13.08.2024	12:50 PM	Annexure-1	84.9 83.8 86.6 87.9 88.2 85.8 87.1 86.6	86.8	8 hrs.	Exposure Limit for Industrial workers (8 hrs.) = 90 dB(A)	Annexure-1	3	Jakov	T. SUTRA DHAR

For, INDICATIVE CONSULTANT INDIA

Authorized Signat

P 22/22

4

HPL Link Road, Basudevpur, Khanjanchak

Haldia; Purba Medinipur-721602

Goyt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

Form No. - 30

Table No. - 22

Ph.- 03224-275765

Mob. - 94340 17584

e-muil : jayantasarkar67 a gmail.com/ indicativeconsultantindia a gmail.com

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

SI. 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
						84.9							T
						83.8						Cons	SUTRA
						86.6			P. S. S.			Jabay	DHAR
	PINIFFILE					87,9			Exposure Limit for			1	
1	FINISHI NG UNIT	Noise level	13.08.2024	12:50 PM	Annexure-1	88.2	86.8	8 hrs.	Industrial	Annexure- I	3	-	
41	#4	Monitoring	15.00.2024	12.50 1 11	. inne.core	85.8		5 mo.	workers	2000 Carrier C			
						87.1			(8 hrs.) =			0	
				17		86.6			90 dB(A)			1	S. CHATT
11/	1 1			1 3		88.1							ARAJ
						89.1							1,000

For, INDICATIVE CONSULTANT INDIA

Authorized Signat

P 22/22

Mob. - 94340 17584

e-mail: jayantasarkar67@gmail.com/ indicativeconxultantindia@gmail.com

HPL Link Road, Basudevpur, Khanjanchak Haldia, Purba Medinipur – 721 602 Govt.Regn.No.-L-64871; MSME Reg. No.: WB-12-0000228

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.

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 #2 PRESS WORKING AREA					122	65	Adequate		
2	EXTRUSION #2 14 MTR. WORKING FLOOR					280	65	Adequate		T/
3	REID HAMMER BAKING-14 WORKING AREA					152	65	Adequate	Tapay	SUTRADHAR
4	REID HAMMER BAKING-16 WORKING AREA					180	65	Adequate		
5	REID HAMMER BAKING-24 (I) WORKING AREA					175	65	Adequate		
6	REID HAMMER BAKING-24 (II) WORKING AREA					242	65	Adequate	1 1	
7	REID HAMMER BAKING-24 (III) WORKING AREA					262	65	Adequate		
8	BAKING TUNNEL KILN WORKING AREA		21.08.2024	Digital Lox	By Digital	156	65	Adequate]	
9	PITCH IMPREGNATION UNIT # 2 WORKING AREA			Meter	Lux Meter	420	65	Adequate		
10	PITCH IMPREGNATION UNIT # 3 WORKING AREA	1	6:30 PM			685	65	Adequate	3	
11.	PITCH IMPREGNATION UNIT # 4 WORKING AREA					78	65	Adequate		
12	LWG#3 WORKING AREA	Illumination	to			432	65	Adequate]	
13	LWG# 4 WORKING AREA	Indiamation	1 N			170	65	Adequate		
14	LWG # 5 WORKING AREA	-3	8:50 PM			142	65	Adequate		
15	GRAPHITE ACHESON WORKING AREA					398	65	Adequate		
16	FINISHING # 1 WORKING AREA			1 1		370	65	Adequate	1	
17	FINISHING # 2 WORKING AREA					670	65	Adequate)	
18	FINISHING # 3 WORKING AREA					456	65	Adequate	j	
19	FINISHING # 4 WORKING AREA					610	65	Adequate		
20	MAINTENANCE DEPARTMENT					450	65	Adequate	100	S.
2.1	MAIN STORE AREA					146	65	Adequate	10	CHATTARAJ
22	CANTEEN					216	65	Adequate		
23	NEAR MAIN GATE	<u> </u>				350	65	Adequate		
24	LABORATORY					186	65	Adequate	1	

Note: As per Factories Rules, 1958: Rule No R 31 (prescribed under sub section (4) of section 17

For, INDICATIVE CONSUDEROU, INDIA

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P 1/1

Table No. - 1

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: EXTRUSION #2 PRESS FLOOR

Ambient Temperature	Dry Bulb	Wet Bulb
On 13.08.2024	32.0°C	26.0°C
Ambient Air flow	- 54m/min S to	o 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/We Tempera work p	ture at	Limit	Reference Method _	Remarks	Signature	Name				
t.	Inside Work Place	Volume of Air change	13.08.2024		18048.6 m ³ x 6 = 1,08,291.6 m ³	795875.66 m ⁵	10.00		Vol. of Air change/hr ≥6 x Vol. Q work place							Adequate	m	A BHAT TA
2.	Inside Work Place	Velocity of Air at work place		Annexure-1	8	1	42 m/min at middle of the plant			30 at/min at work place at 1.5 M height	Annexure- I	Adequate	1.9	CHAR				
3.	Inside Work Place At middle of the plant	Temperature at work place	10:20 AM to 11:45 AM		-		-	Dry Bulb 30.0°C	Wet Bulb 25.0°C	Wet Bulb less than 34f C		Adequate	8	S, CHAI TARA				

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Table No. - 2

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: BAKING RH - 16 SHOP FLOOR

Ambient Temperature	Dry Bulb	Wet Bulb
On 20.08.2024	31.0°C	27.0°C
Ambient Air fle	ow - 60 m/min SE	to NW

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 bu Temperature work place	e at Limit	Reference Method	Remarks	Signature	Name	
1.	Inside Work Place	Volume of Air change			46832.32 m ³ X 6 = 2,80,993.92 m ³	346687.74 m ³	÷		Vol. of Air change/hr 6 x Vol. Of work place		Adequate	mg	A. BHATTA CHARY	
2.	Inside Work Place	Velocity of Air at work place	20.08.2024 10:30 AM to	Annexure- l			42 m/min at LHS of furnace 36 m/min – at RHS of furnace 42 m/min- at the middle		30 m/min at work place at 1 5 M height		Annexure-1	Annexure- I Adequate Adequate		
3,	Inside Work Place At middle of the plant	Temperature at work place	11:50 AM		.9	*)		Bulb B	Wet Bulb less than 30° C		Adequate	9	S CHATTA RAJ	

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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: PITCH IMPREGNATION UNIT #3

 Ambient Temp.
 Dry Bulb
 Wet Bulb

 On 16.08.2024
 34.0°C
 28.0°C

Table No. - 3

Ambient Air flow - 66 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			9,853,56 m ³ x 6 = 59,121,36 m ³	82,854.84 m ³		1 114	Vol. of Air change/hr >6 x Vol. Of work place		Adequate	m	A BHATTA CHARYA	
2.	Inside Work	Velocity of Air at work	16 08.2024	Annexure- 1			42 m/min - at Entrance Gate 36 m/min at Middle	L.	30 m/min at work place at 1.5 M height	Annexure-1	Adequate Adequate		h	
	Place	place	02:20 PM to 04:00 PM				48 m/min – at Back side Gate				Adequate	0-		
3.	Inside Work Place At middle of the plant	Temperature at work place			-			Dry Wei Bulb Bull 36.0°C 29.0°	less than		Adequate	9	S CHATTA RAJ	

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P 3/7

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

Ambient Temperature	Dry Bulb	Wet Bulb
On 14.08.2024	35.0°C	27.0°C
Ambient Air fl	ow - 72 m/min SF	to NW

Table No. - 4

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/We Tempera work p	ture at	Limit	Reference Method	Remarks	Signature	Name	
l.	Inside Work Place	Volume of Air change			58176 m ³ x 6 = 3,49,056 m ³	6,87,245.02 m ³	-0-	- 2		Vol. of Air change/hr >6 x Vol. Of work place		Adequate	m	A BHATT CHARY	
2.	Inside Work	Inside Velocity of Work Air at work	Velocity of Air at work	14.08.2024	Annexure- l	4	-	48 m/min – al entrance of 1 st Gate 42 m/min – al entrance			30 m/min at work place at 1.5 M height	Annexure- I	Adequate Adequate		
	Place	place	02:10 PM to 03:35 PM				of 2 nd Gate 36 m/min - at middle					Adequate	0-		
3.	Inside Work Place At middle of the plant	Temperature at work place	<i>yours</i> (1)		(1)	100	(*)	Dry Bulb 37.0°C	Wet Bulb 28.0°C	Wet Bulb less than 30° C		Adequate	8	S. CHAT RAJ	

For, INDICATIVE CONSULTANT INDIA

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P 4/7

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 # 1

Ambient Temperature	Dry Bulb	Wet Bulb
On 14.08.2024	31,0°C	26.0°C
Ambient Air fl	ow - 60 m/min SE	to NW

Table No. - 5

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/We Temp. a pla	t work	Limit	Reference Method	Remarks	Signature	Name
t.	Inside Work Place	Volume of Air change			12522.4 m ³ x 6 = 75,134.4 m ³	1,25,852.65 m ³	10.1			Vol. of Air change/hr >6 x Vol. Of work place		Adequate	m	A. BHATTA CHARYA
2,	Inside Work Place	Velocity of Air at work place	14.08.2024	Annexure- 1		i.	48 m/mir at Gate 42 m/min			30 m/min at work place at 1.5 M height	Annexure- I	Adequate		
	-		to				at Middle of the Plant					лисцион		S. CHATT
3.	Inside Work Place At middle of the plant	Temperature at work place	11:55 AM		-	i.		Dry Bulb 29.0°C	Wet Bulb 24.0°C	Wet Bulb less than 30° C		Adequate	E	RAJ

For, INDICATIVE CONSULTANT INDIA

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P 5/7

Table No. - 6

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

Ambient Temperature	Dry Bulb	Wet Bulb
On 13.08.2024	34.0°C	26.0°C
Ambient Air	flow - 66 m/min 5	S to N

SI. 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/We Temp. at plac	t work	Limit	Reference Method	Remarks	Signature	Name	
L.	Inside Work Place	Volume of Air change			24597,54 m ³ X 6 = 1,47,585,24 m ³	1,63,411.65 m ³	8			Vol. of Air change/hr ≥6 x Vol. Of work place		Adequate	mg	A BHATT CHARY	
2.	Inside Work Place	Velocity of Air at work place	13.08.2024 02:05 PM to	Annexure- [;	42 m/min— at entrance of f" Gate 42 m/min— at entrance of 2nd Gate 36 m/min— at the middle			30 m min at work place at 1 5 M height		Annexure-1	Adequate Adequate	1.	
3.	Inside Work Place At middle of the plant	Temperature at work place	03:15 PM					Dry Bulb 31.0°C	Wet Bulb 25.0°C	Wet Bulb less than 30° C		Adequate	9	S CHATT RAJ	

For INDICATIVE CONSULTANT INDIA



P.67

Table No. - 7

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)

Ambient Temperature	Dry Bulb	Wet Bulb
On 16.08.2024	30.0°C	25.0°C
	flow - 54 m/min	1/3/42

SI. 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 bulk Temperature a work place	t Limit	Reference Method	Remarks	Signature	Name
1.	Inside Work Place	Volume of Air change			98,344.81 m ³ x 6 = 5,90,068.86 m ³	7,22,114 m³	(4)	-	Vol. of Air change/hr >6 x Vol. Of work place		Adequate	ms	A: BHATTA CHARYA
							48 m/min East Side of the Furnace				Adequate	-	
			16.08.2024				42 m/min - West Side of the Furnace				Adequate		
2.	Inside Work	Velocity of Air at work		Annexure- Î	-	-	36 m/min East Side of the Shed		30 m/min at work place at 1.5 M height	Annexure-1	Adequate		
	Place	place	10:35 AM				36 m/min West Side of the Shed				Adequate		
			11:55 AM				42 m/min Middle of the Shed				Adequate	0	S. CHATT
3.	Inside Work Place At middle of the plant	Temperature at work place			-	.,		Dry Bulb Bu 34.0°C 29.0	lb less than		Adequate		RAI

For, INDICATIVE CONSULTANT INDIA

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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:

- Respirable Particulate Matter (RPM): Method of air sampling and analysis as per 15:5182(Part – IV) 1999.(RA 2019)
- Suspended Particulate Matter (SPM)
 Method of air sampling and analysis as per 15:5182(Part IV) 1999.(RA 2019)
- iii) Sulphur Dioxide (SO2): As per 15:5182 (Part II): 2001 (RA 2022)
- (v) Oxides of Nitrogen (NO₂): As per 15:5182 (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 15 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



Environment Monitoring Photographs

Workzone Monitoring









Stack Monitoring









Ambient Monitoring









Noise Monitoring









Water Monitoring









GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST. - BURDWAN E-MAIL : general_dgp@graphiteindia.com

Oct 22,2024

To, The Office of Environmental Engineer, West Bengal Pollution Control Board, Durgapur Regional Office, Sahid Khudiram Sarani, City Center, Durgapur - 713216.

Sub: Submission of Bi-Annual compliance report on Stack, Ambient Air Monitoring, noise & Effluent sampling of GI (works).

Dear Sir,

Please find enclosed herewith, one set of the Bi-Annual compliance reports of Stack, Ambient Air & Noise Monitoring in August 2024. Since no waste water is discharged outside, July 2024, August 2024 & Sep 2024 Effluent report is for the two combined outfall (i.e LWG#4 & Old weigh Bridge) before and after recycled water filtration details and Extrusion#2 outfall Analysis is done by WBPCB Authorized agency M/s treated details. Envirocheck, Kolkata. The summary statement of Stack & ambient emission also enclosed herewith.

Kindly acknowledge the same and oblige.

Thanking you,

Yours Faithfully, For Graphite India Limited.

Ranadeep Chakraborty

Executive Vice President (Works)



Registered Office: 31 Chowringhee Road, Kolkata - 700016 CIN - L10101WB1974PLC094602

Ph.: +91-33-40029600 Fax: +91-33-40029676 E-mail Id: gilro@graphiteindia.com Website: www.graphiteindia.com

1

Annexure-5 Air Pollution Control System





Annexure-6 Existing Rainwater Harvesting System





Annexure-7

Green Belt





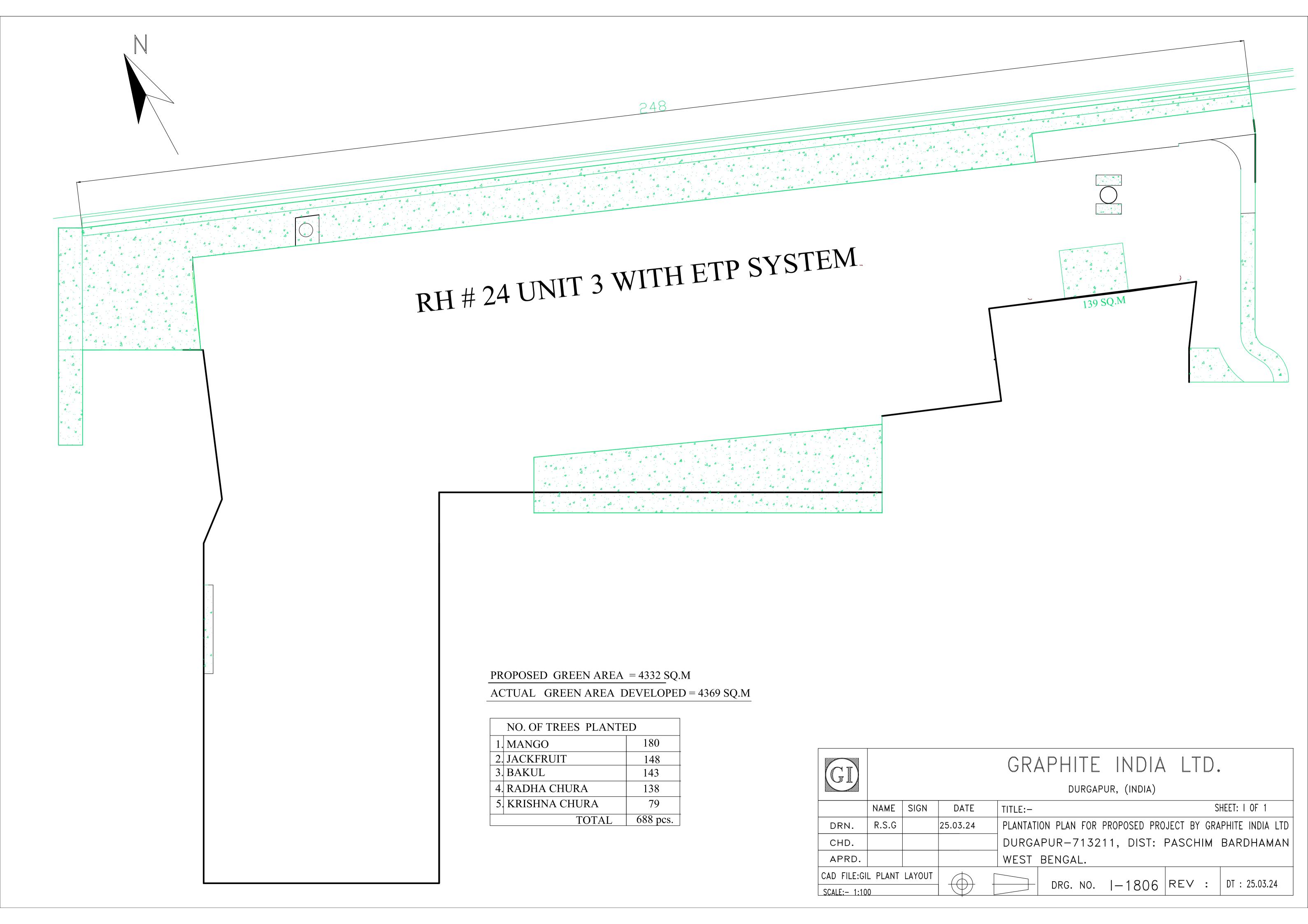






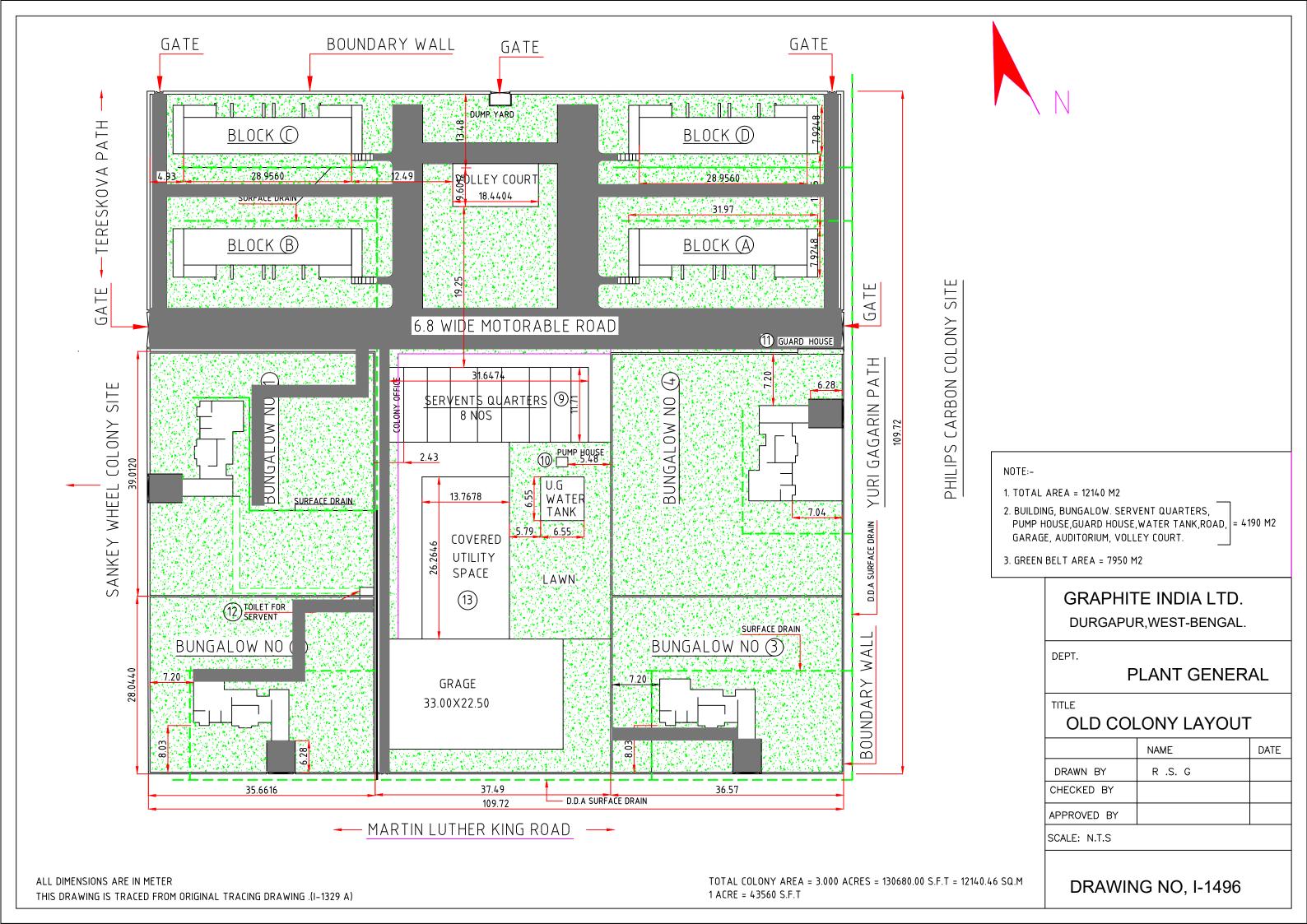


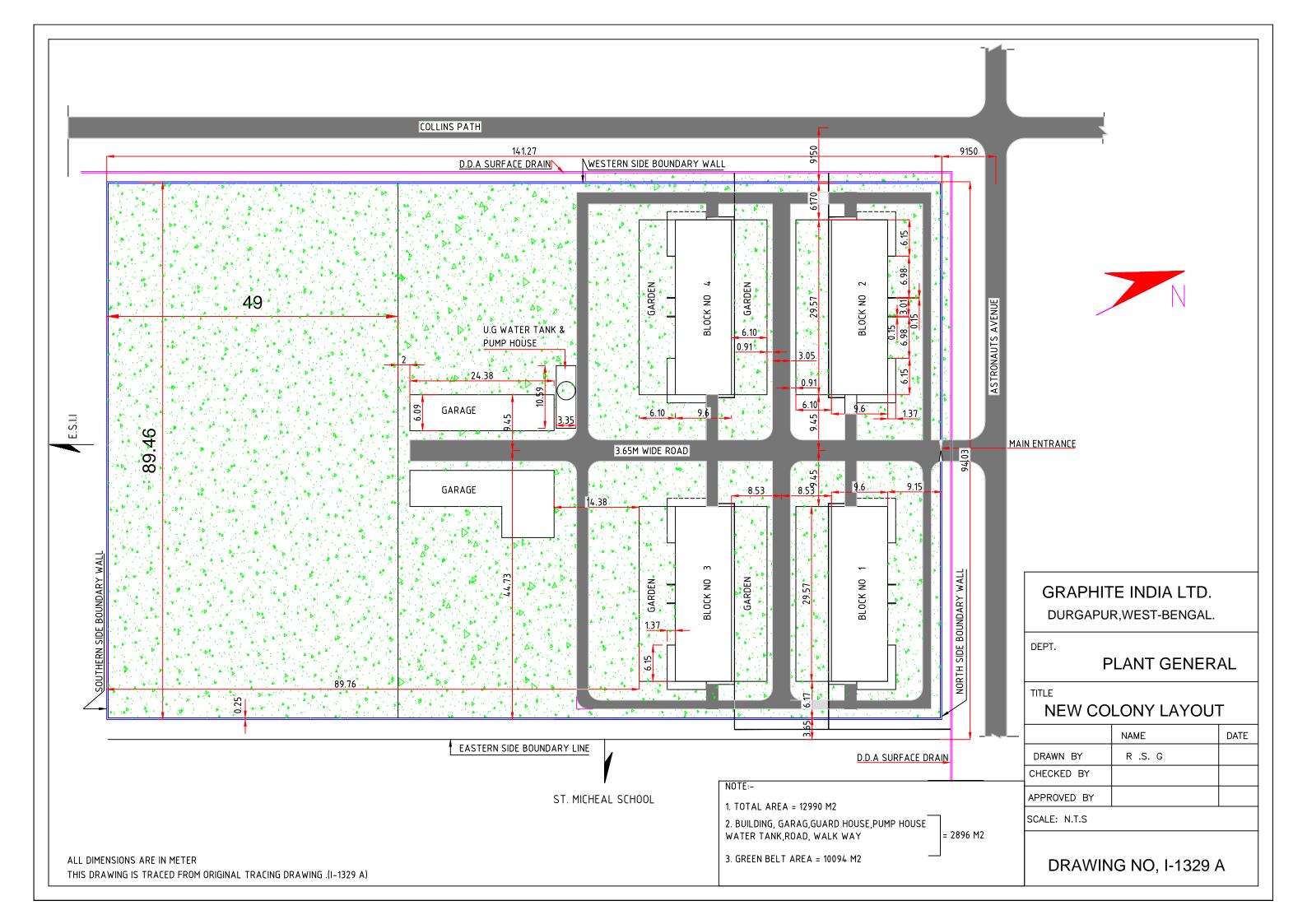












APRIL=24

GRAPHITE INDIA

HEALTH

DAILY PATIENT

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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DAILY PATIENT

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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JUNE- 2024 GRAPHITE INDIA

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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GRAPHITE INDIA

HEALTH

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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GRAPHITE INDIA

HEALTH DAILY PATIENT

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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GRAPHITE INDIA

Seftember-29

HEALTH DAILY PATIENT

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LIMITED, Durgapur-11 / FIRST AID CENTRE ATTENDANCE REGISTER

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Annexure-8 Health Checkup Photographs







Training Photographs







Parking Photographs

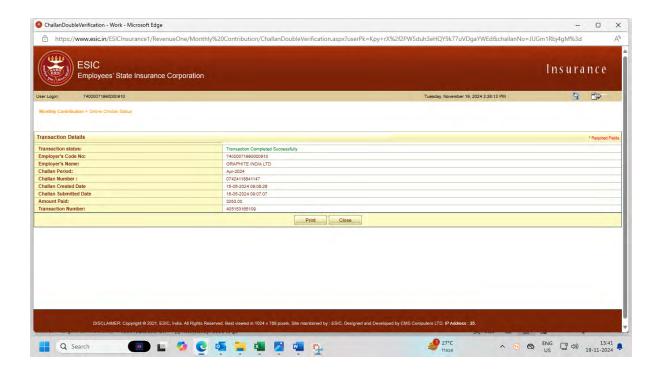


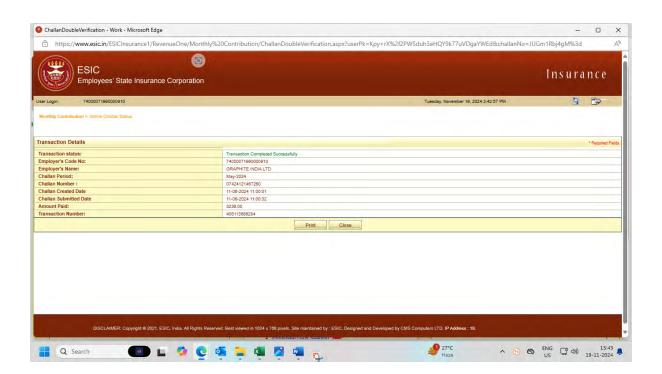


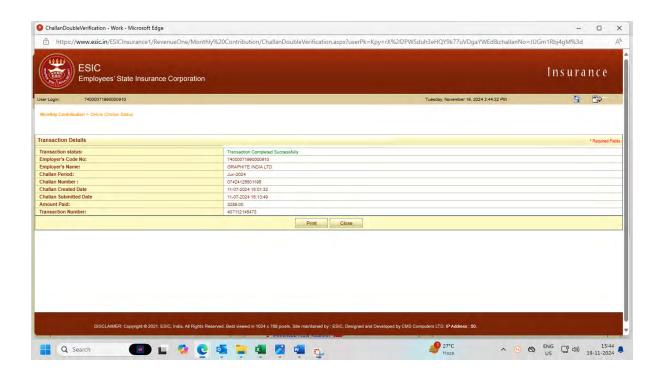


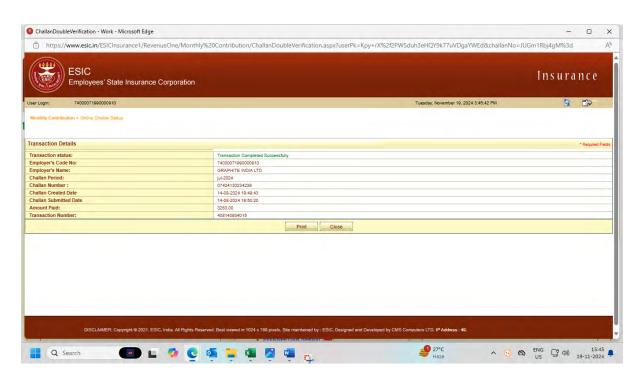


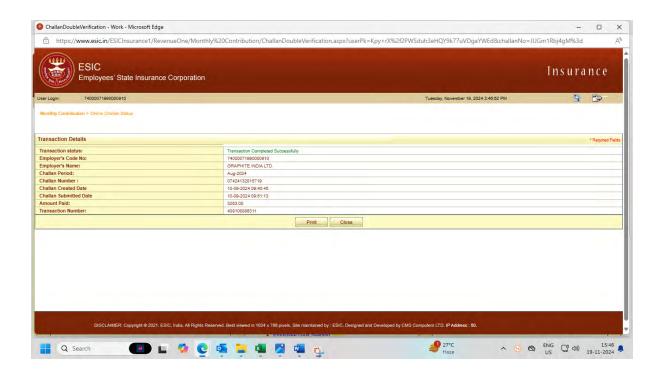
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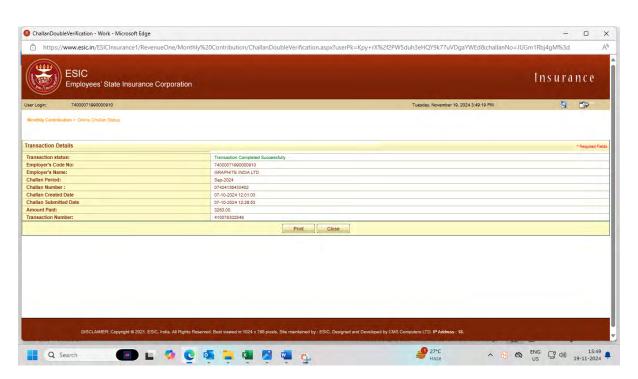












20 KLD Kitchen Waste Water STP



Need based Activity – Mansa mandir Development Job for the community (Job Completion Period-Apr 2024)





PURCHASE ORDER GRAPHITE INDIA LIMITED PO No PO Rev No Vendor's Ref Our Ref Payment Term Vendor 20449 Tal No: 25355025 PRAKASH CONSTRUCTION "Q. NO: 1/32, SAGARBHANGA COLONY" DOM/8600001994 Date 11.11.2023 Date DURGAPUR 713211 West Bengal PAN No : ACTIVITIES OSTN No - ISACTIVITIES PIZA ST NO Mat No Refer to Text FOR GIL WORKS, DURGAPUR Decoription Ser.-CMI Work with Railing Oty Rate (INR) 1 250,000.00 Ser.-Owl Work with Railing Hilvery Sohedule Total Guanthy to 30.11.2023 Total Guanthy to 30.11.2023 Total Guanthy to 30.11.2023 Towards Like Barguer for Dutwide Brick Wall More. Frowards Like Barguer for Roof Concrete Frowards Like Charguer for Roof Concrete 120 487,50 1,240,00 Towards the Charges for Roof Concrete Dhale!. Towards the Charges for Flastering Mork at both Inside & outside. Towards the Charges for Mathel Fixing Towards the Charges for Mail Tiles Fixing. Towards the Charges for All Tiles Fixing. 240 200.00 510.00 190.00 700.00 TWO LAKE FIFTY THOUSAND Rupess ONLY Total Value: 250,000.00 Other item Charges Mat No. Disco 5.00 N 9.00 % (GST Tax Credit (9% SGST A 9% CGST)) Terms and Condition Delivery Instructions ENTIRE NORMANTED JOB SHALL BE COMPLETED WITHIN THE STIPULATED TIME AS MENTIONED IN THIS PURCHASE ORDER. Inspection Terms INSPECTION IN STAGE 8 FINAL SHALL BE DONE BY M/S G.I.L./G.I.L'S AUTHORIZED COMSULTANTS 3 THE SAME SHALL BE AT M/S. G.I.L.'S / G.I.L'S AUTHORIZED CONSULTANTS ONSULTANTS Payment instructions 1009; AMOUNT OF JOB DONE GTY, DULY CERTIFIED BY CONCERN DEFARTMENT ALONG WITH 1009; AMOUNT OF JOB DONE GTY AND APPLICABLE 100% GST AMOUNT SHALL BE RELEASED WITHIN 15 DAYS AFTER SUCCESSPUL JOB

Digitally signed by SACHIDANANDAL PAUDHURI Tue Nov 21 1553 4 18T 2023



Date: 05.04.2024

To Whom It May Concern

This is to certify that, Mrs. PRAKASH CONSTRUCTION has successfully executed the nominated Civil as well as Structural Work under Need Base Activities as against our P.O. No.: DOM/8600001994 dated 11.11.2023.

Also, the executed job was under observation and now the same is approved & accepted by Git.

For, Graphite India Ltd.,

Souray Sinha (Officer-Purchase & PED)

Page Lot I

Begistered Office: 31 Chrackingthe Rood, Kobata 700 018, CIN: L10101WB1874PLCUP4805, GST No.: 18AACC04STC124Talaphane No: 9133.4002960 | Fax No: 9133.40029676, Email 61 : gitrefgraphtsindia.com Website / ysco.graphtsindia.com

SI no.	PO description	Amount (Rs)
1	Brick Wall Work, Concrete Dhalai, Plastaring, Marble	250,000
	& Wall Tile fixing, SS railing & Fabrication	
	Total	250,000

Digitally signed by RANADEEP CHAMBASCRTV Tue Nov 21 16.23 2878T 2023

Authorised Signatory

Need based Activity – Adi Bedi Development Job for the community (Job Completion Period-Apr'24 & Sep'24)







GRAPHITE INDIA LIMITED

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GRAPHITE INDIA LIMITED

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RESPONSIBILITY. 4. G.I.L.S SCOPE OF SUPPLY: ONE ELECTRICAL POINT SHALL BE PROVIDED BY G.I.L. FURTHER,					7.5	
			IC NORMS FOR VEHICLE			
		22-1-2				



GRAPHITE INDIA LIMITED

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. GULSON CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities as against our P.O. No.: DOM/8500002009 dated 11.03.2024.

Also, the executed job was under observation and now the same is approved & accepted by $\mbox{\rm GIL}.$

For, Graphite India Ltd.,

Sourav Sinha (Officer -Purchase & PED)

Registered Officer- 31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1974PLC094602, GST No.: 19AAACC0457C12ATelephone No: 91 33 40029600 : Fax No: 91 33 40029676, Email M : <u>gilrojuraphitaindia.com</u> Website : <u>www.graphiteindia.com</u>



GRAPHITE INDIA LIMITED

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. PRAKASH CONSTRUCTION has auccessfully executed the nominated Structural Work under Need Base Activities as against our P.O. No.: DOM/8600002010 dated 11.03.2024.

Also, the executed job was under observation and the same is now approved & accepted by $\mbox{\rm GiL}_{\sim}$

For, Graphite India Ltd.,

Birtha

Sourav Sinha (Officer-Purchase & PED)

Page Lof L

Registered Office: 31 Chawringhee Road , Kelkata 700 016, CIN : L10101WB1974PLC004002, GBT No.: 198AACCO46TC1Z4Telephone No. 31 33 40029600 : Fax. No.: 91 33 40029676, Email Id : gilreitgraphitoindia.com Website : www.graphitoindia.com



GID-MTL-FD08 R6 W.E.F. 16:05:202 GST NO:13AAACCOMS7C1Z4

Fendor 20082 Tel No: 980894987 J.S. CONSTRUCTION CO. SURESH COMPANY, STATION ROAD,*	PO No PO Rev No Vendor's Ref Our Ref Payment Terms	Refer Text Refer Text Refer to Tex	Date	
DURGAPUR 713201 West Bengal NAN No : AUDPINIOS10 GSTN No - 19AUDPINIOS1G122	Inooterms	FOR DURG	APUR	
r No. Mat No. Decoription		UOM	Qty R	ate (INR)
# SerSheeting Work at Adi Sedi Mil Hath Nortac Code: #864 Delivery Schedule Total Country by 21.03.2024 The Item covers the following services		AU	1	30,000.00
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Registered & Head Office - Gregotte India Limited 21 Chownington Right (Lobert P. 1997), ruds.

PURCHASE ORDER



GRAPHITE INDIA LIMITED
Dotgspun-7(321) Dist-heachin Sandraman, West Sengel
Fax (SX4)255086 InNix Strot 11583/743407790
E Mid dgs, punthese Significant sensor

GST NO : ISAAACOOISTC IZA PAN NO AAACOOISTC

> Digitally signed by SIDOHANT JAIN Wed Out 16 17:56:50 IST 2024

Authorised Signatory

DUR	ANNAPURNA TALA ROAD,RI	Tel No. Set CONSTRUCTIO CAD-92, 713201 V	N	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer Text	Dat ter receipt of	
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GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST-BURDWAN PHONE 718362431, F119362437, FAX. (0343) 2500896 E-Mail

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. G. S. CONSTRUCTION CO. has successfully executed the nominated Structural Work under Need Base Activities as against our P.O. No.: DOM/8600002011 dated 11.03.2024.

Also, the executed job was under observation and now the same is approved & accepted by GIL.

For, Graphite India Ltd..

Sin La

Sourav Sinha (Officer-Purchase & PED)

Page Lof L

Registered Office: 31 Chowringhee Road , Kelkata 700 016, CIN : L10101WB1974PLC094602, GST No.: 19AAACC04S7C124Telephane No: 91 33 40029600 | Fax No: 91 33 40029676, Email Id i gliro@araphiteindia.com Website : www.graphiteindia.com



GRAPHITE INDIA LIMITED

DORGIA-UR 713211, DEST TUDEDWAN PHONE: 7719362431, 7719362437, FAX (6543) 2550896 E Alak

Date: 30.09.2024

To Whom It May Concern

This is to certify that, M/s. MAA ANNAPURNA CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities and against our P.O. No.: DOM/8600002023 dated 20.09.2024.

Also, the executed job was under observation and approved & accepted by GIL

For, Graphite India Ltd.,

Sourav Sinha (Officer-Purchase & PED)

Page Laf

Registered Office: 31 Chowringhes Road , Kolkatz 700 016, CIN : L10101WB1974PLC094802, GST No.1 98AACC0457C12ATelephone No: 91 33 40029807 : Fax He: 91 33 40029807, Email 41: gliftogizaphticaling.com Website: ywww.araphticiadis.com

SI no.	PO description	Amount (Rs)
1	Civil Work	185,000
2	Structural Work	40,000
3	Sheeting Work	30,000
4	Civil Work (Additional)	32,025
	Total	287,025

Need based Activity – Adi Bedi Development Job for the community (Job Completion Period-Apr'24)







GID-MTL-F008 R6 W E.F. 16:05:2022 GST NO.:19AAACCO457C124 PAN NO-AAACCO457C

Vendor 202348 GULSON CONSTR "GOPINATHPUR, DURGAPUR PAN No : AHTPIN	RUCTION DURGAPUR.* 713201 V	Vest Bengal	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Incoterms	Refer Text Refer Text	Dar	
r No Mat No		Descriptio	n	UOM	Qty I	Rate (INR)
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Digitally signed by RANADEEP CHANAGE Thu Mar 21 20 20 00 is Authorised Signator

GRAPHITE INDIA LIMITED

DURGAPUR T13211, DIST-BURDWAN PHONE: 7719362431, 7719362437, PAX, (0343) 2550890 E-55e2

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. GULSON CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities and against our P.O. No.: DOM/8600002006 dated 11.03.2024.

Also, the executed job was under observation and the same is now approved & accepted by GIL .

For, Graphite India Ltd.,

Elinha

Souray Sinha (Officer-Purchase & PED)

Page I of I

Registered Office: 31 Chowringhee Road, Kelkats 700 016, GIN: L10101WB1974PLC094602, GST No: 19AAACC0457C124Telephone No: 91 33 40029600 ; Tax No: 91 33 40029676, Email Id: glitchgirgsphiteinidia.com Website's vewc.ursphiteinidia.com

PURCHASE ORDER Click to pan around the



Digitally signed by BACHIDANANDA PAUDHURI Thu May 21 16 58 1 18T 2024

GID-MTL-F008 R6 W.E.F. 1606-2022 GST NO.198AADC0467-0124 PAN NO.444-2020

	AAACC04576	124		
AN NO AA	ACCD457C			

Vendor 20494 Tal Noc. 1 PRAKASH CONSTRUCTION 10. NO: 1/32, SAGARSHANGA CO DURGAPUR 713211 PAN No. : ACTIFITEES GETIN No.	West Bengal	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer To Refer To Refer to	ext	
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GRAPHITE INDIA LIMITED

DURIGAPUR 713211, DUST- BURDWAN PHONE: 7710362431, 7710362437, FAR. (0343) 1500000

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. PRAKASH CONSTRUCTION has successfully executed the nominated Structural Work under Need Base Activities as against our P.O. No.: DOM/8600002007 dated 11.03.2024.

Also, the executed job was under observation and the same is now approved & accepted by GIL.

For, Graphite India Ltd.,

diso

Sourav Sinha (Officer-Purchase & PED)

Page I of I

Registered Office:- 31 Chowringhee Road , Kolksta 700 016, GIN : L10101WB1974PLC094602, OST No.: 19AAACCG457CT24Telephone No: 91 33 4002900 | Fax No: 91 33 40029076, Email 1d : allfogurgathetindis.com Website : www.raphibliendis.com/besiphiblie



GID-MTL-F008 R6 W 5.F 16.05.2023 GST NO. 198AACQD487C124

DURGAPUR PAN No : AJOPI	713201 W	o,* est Bengal ISAJOPINISTIGIZZ	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer Tel Refer Tel Refer to 1 FOR DUI	rext RGAPUR	to
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		SIXTY THE	OUSAND Rapees ONL	Y - 1	Total Value:	60,000.0
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Terms and	Condition	0.00 %	3.00 %		SST Tax Credit (
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GRAPHITE INDIA LIMITED

CHROAPUR 213311. DIST-BURDWAN. FROME. 7719502431, 7718902437, FAX. (0343) 2550890 E. MgE.

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s, G.S. CONSTRUCTION CO, has successfully executed the nominated Sheeting Work under Need Base Activities as against our P.O. No.; DOM/8600002008 dated 11.03.2024.

Also, the executed job was under observation and now the same is approved & accepted by $\mbox{\rm GiL}.$

For, Graphite India Ltd.,

darbo

Sourav Sinha (Officer-Purchase & PED)

Page 1 of 1

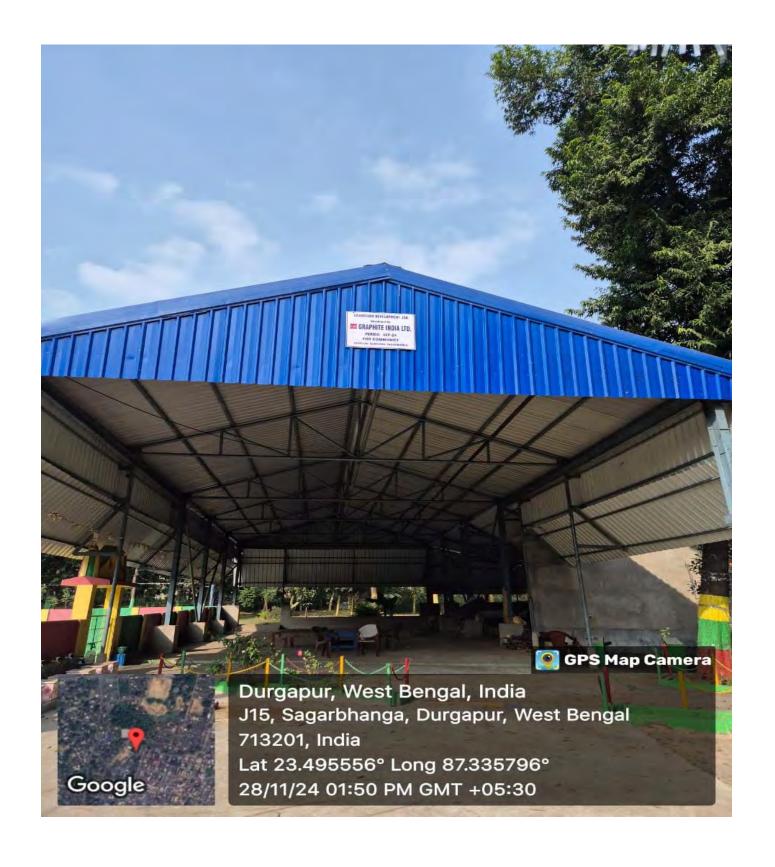
Registered Office:- 31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1974PLC094602, OST No.: 19AAACC0457CT24Telephone No.: 91 33 40029601 : Fax No.: 91 33 40029676, Email Id : gillyOSgranhitelida.com Webbile : www.caraphitelida.com/pathiclida

SI no.	PO description	Amount (Rs)
1	Civil Work	265,000
2	Structural Work	140,000
3	Sheeting Work	60,000
	Total	<mark>465,000</mark>

Need based Activity – Graveyard	d Development Job for th	ne community (Job Com	pletion Period-
Sep'24)			









GRAPHITE INDIA LIMITED

GOF	SON CONSTR PINATHPUR.D	UCTION	West Bengal	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer Tex Refer Tex 15 Days a	t. D	
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	Other Item C	harges					
	Mat No.	Discount	CGST	sostrutost 198	T	Tax	Text
			9.00 %	9.00 %	47	ST Too Court	ON SOST A DN

Terms and Condition

Delivery Instructions
This is a Confirmator P.O., i.e., nominated job has already been executed by the Contractor.

Payment Instructions.

Payment Instructions

10th of basic value of bit done quantity with applicable 10th, GST amount as per prevailing rates shall be released within 15 days after job completion, subject to submission of commercial bill at least in triplicate duty certified by GIL.

Notes: Statutory deductions, If any, shall be deducted by G.I.L. during execution of the work.

General Instructions

1. PLEASE ACKNOWLEDGE RECEIPT OF THIS ORDER, SIGNIFYING YOUR ACCEPTANCE OF TERMS AND CONDITIONS HEREOF.

2. REFERENCES: MENTIONED RATES ARE AS PER PLANT'S SCHEDULED RATES.

3. ESIC, PF OF THE LABOURS AND PUC NORMS FOR VEHICLE, EQUIPMENT ETC. CONTRACTOR'S RESPONSIBILITY.

Digitally signed by SIDDHANT JAN Wed Sep 25 16 55 50 IST 2024

Authorised Signatory

Regument & Heart Office - Compition into Limited, in Charlington Ricks (2004). In 1914, Inches 1944-1959 (Inches Inches In

PURCHASE ORDER



GRAPHITE INDIA LIMITED

DiDM/9600002022 Date 19.09.2024

PRAKASH CONST *Q. NO: 1/32, SAG DURGAPUR PAN No : ACTIVE	713211	Vest Bengal	PO Rev No Vendor's Ref Our Ref Payment Terms Inocterms		Text Text	ate of materials
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Terms and	Condition					
Payment In:	nfirmatory P.O., Le structions		has already been exe			

released within 15 days after submission of Bill duty certified by Git, at least in triplicate.

Notes: Statutory deductions, if any, shall be deducted by GJL during execution of the work.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ORDER, SIGNIFYING YOUR ACCEPTANCE OF TERMS AND CONDITIONS HEREOF.

2. REFERENCES: MENTIONED RATES ARE AS PER PLANT'S SCHEDULED RATES.

3. ESIC, PF OF THE LABOURS AND PUC NORMS FOR VEHICLE, EQUIPMENT ETC. CONTRACTOR'S RESPONSIBILITY.

4. G.I.L.S. SCOPE OF SUPPLY: ONE ELECTRICAL POINT SHALL BE PROVIDED BY G.I.L. FURTHER, YOUR TEAM SHOULD USE NEARBY DRINNING WATER POINTS AS SUGGESTED BY US OUT OF EXISTING ANALABLE POINTS. AS FEIT SUITANELS BY US, LAMPS SHALL BE PROVIDED BY US TO ENABLE YOU TO WORK DURING NIGHT TIMES. ALL THESE FACILITIES SHALL BE PROVIDED TO YOU AT FREE OF COST.

5. STATUTORY REQUIREMENTS.

Digitally signed by SIDCHANT JAIN Tue Sep 24 08 28 W IST 2024

Authorised Signatory

Segment & Heat Office - Empires risk Limits of Character Facel Value (1974), nds.
CML NEWWORK SPLICE-RD. Text - Fr. 12 4000400. For - Fr. 15 4000400 sections graphendation. - Amalging



GRAPHITE INDIA LIMITED

DURIGAPURI 713211, DIST. BUPOWAN PHONE 7715062431, 7718362631, FAX (KOAS) 2000000

Date: 20.09.2024

To Whom It May Concern

This is to certify that, M/s. GULSON CONSTRUCTION has successfully executed the nominated Civil Work under need base activities and against our P.O. No.: DOM/8600002018 dated 06.09.2024.

Also, the executed job was under observation and approved & accepted by GIL

For, Graphite India Ltd.,

Shape-Souray Sinha (Officer-Purchase & PED)

Page 1 of 1

Registered Office: 31 Chowringhee Road , Kolkata 700 016, CIN | L10101WB1974PLC084602, GST No.: 19AAACC0457C1Z4Telephone No: 91 33 40029600 ; Fax No: 91 33 40029676, Email Id : gitrofarsphiteindia.com Website : www.graphiteindia.com



GRAPHITE INDIA LIMITED

Date: 27.09.2024

To Whom It May Concern

This is to certify that, M/s. PRAKASH CONSTRUCTION has successfully executed the nominated Structural Work under Need Base Activities as against our P.O. No.: DOM/860002022 dated 19.09.2024.

Also, the executed Job was under observation and the same is now approved & accepted by GIL.

For, Graphite India Ltd.,

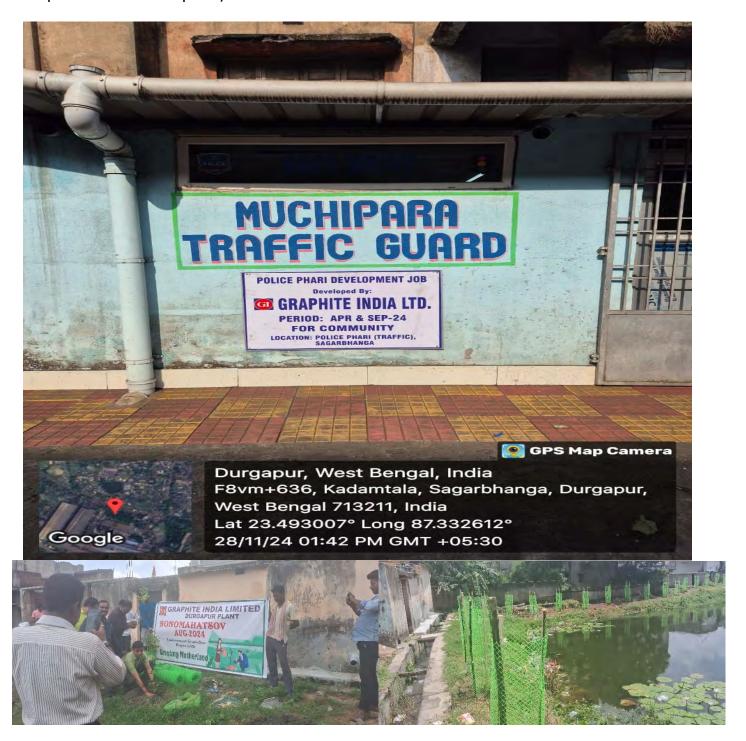
Birls. Souray Sinha (Officer-Purchase & PED)

Pigr. Lift L

Registered Office: 31 Chowninghee Road , Kalkuta 700 016, CRV; L10101W91974PLC094002. OST No:: 198AACC043TC124Telephone Ne:: 91 33 40029600] Fax Ne:: 91 33 40029678, Email M:: jain-biggraphitelephone me:: yen-praphitelephone.com

SI no.	PO description	Amount (Rs)
1	Civil Work	265,000
2	Mechanical Work & Sheeting	332,000
	Total	<mark>597,000</mark>

Need based Activity – Police Phari & Tree Plantation Development Job for the community (Job Completion Period- Sep'24)









GRAPHITE INDIA LIMITED Buggeput-713211 Diel-Paschin Bardhaman

Vendor 202346 GULSON CONSTIT "GOPINATHPURLI DURGAPUR PAN No : AHTPI	RUCTION DURGAPUR,* 713201 West Bengal	PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer Text Refer Text	Dar	te 11.03.203 te
Sr No Mat No	Descrip	tion	UOM	Qty 9	Rate (INR)
Delivery So	SerCMI Work at School & F HSN No/SAC Code - 9954 hedule otal Quantity by 31.03.		AU	1	121,000.0
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	at Bengali School. Towards the Charges for Police Phari.	or Soof Work at	A0.	7	Ø1,000.0
	Towards the Charges f Work at Police Shari.	or Misc. Civil	AU	1	35,000.0
	ONE LAKH TWENTY ON	E THOUSAND Rupees ONL	y To	tal Value :	121,000.0
Other item	Charges				
	0.00 %	8.00 N	(GS	Tax Credit ()	PK 505T & PK
Terms and	Condition				
Payment In 100% of bas released ago Notes: Statu General Ins 1. PLEASE	infirmatory P.O., i.e., nominated jo structions ic value of job done quantity with ainst submission of Bill duly certif tory deductions, if any, shall be d	applicable 100% GST a fed by GIL at least in trip feducted by G.J.L. during	emount as per licate.	r prevailing in	
2. REFERE	NCES: MENTIONED RATES AR	E AS PER PLANT'S SO	HEDULED R	ATES.	
3. ESIC, PF RESPONSI	OF THE LABOURS AND PUC N	YORMS FOR VEHICLE,	EQUIPMENT	ETC. CON	TRACTORS
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GRAPHITE INDIA LIMITED

DURGAPOR TYSPIT (NET, HURSWARK PHONE: 7714140421 TTHEREDAY FAX. (1004) 244044

Date: 05.04.2024

To Whom It May Concern

This is to certify that, M/s. GULSON CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities and against our P.O. No.: DOM/860002012 dated 11.03.2024.

Also, the executed job was under observation and the same is now approved & accepted by \mbox{GR}_{-}

For, Graphite India Ltd.,

Birth

Sourav Sinha (Officer-Purchase & PED)

Hegistered Office: 31 Cheuringhee Road, Kalkata 700 018, CIN : L10101WB1874PLC094802, GST No.: 19AAGCC0457C124Telephone No: 91.33 40029600 : Fax No: 91.33 40029676, Enall Id : girofig:raphilainfis.com Website : indo/graphileinfis.com

PURCHASE ORDER



GRAPHITE INDIA LIMITED

DURGAPUR	ICTION CO. MPANY, STATION RO	AD," West Bengal	Inooterms	Refer Refer ms 15 Da	Text	ate of materials
Sr No. Mat I	No	Descripti	lon	UOM	Qtv	Rate (INR)
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		TWENTY TWO	THOUSAND Rapers	OWLY	Total Value:	22,000.00
Other its	m Charges			100		
Mat No.	Discount	CGST	SGSTIUTGST	IGST	Tax	Text
		9.00 %	9.90 %		(GST Tax Grade GGS	

Terms and Condition

Delivery Instructions
This is a Confirmatory P.O., i.e., nominated job has already been executed by the Contractor.

Payment Instructions

10th of basic value of job done quantity with applicable 100% QST amount as per prevailing rates shall be released within of days after submission of Bill duly certified by Gill, at least in triplicate.

Notes: Statutory deductions, if any, shall be deducted by G.I.L. during execution of the work.

General Instructions

1. PLEASE ACKNOWLEDGE RECEIPT OF THIS ORDER, SIGNIFYING YOUR ACCEPTANCE OF TERMS AND CONDITIONS HEREOF.

2. REFERENCES: MENTIONED RATES ARE AS PER PLANT'S SCHEDULED RATES.

3. ESIC, PF OF THE LABOURS AND PUC NORMS FOR VEHICLE, EQUIPMENT ETC. CONTRACTOR'S RESPONSIBILITY

4. GILLS SCOPE OF SUPPLY: ONE ELECTRICAL POINT SHALL BE PROVIDED BY GILL FURTHER, YOUR TEAM SHOULD USE NEARBY DRINNING WATER POINTS AS SUGGESTED BY US OUT OF EXISTING AWARDED POINTS AS PELT SUTHICLE BY US, LAMPS SHALL BE POINTS AS PELT SUTHICLE BY US, LAMPS SHALL BE PROVIDED BY US TO ENABLE YOU TO WORK DURING NIGHT TIMES. ALL THESE FACILITIES SHALL BE PROVIDED TO YOU AT FREE OF COST.

5. STATUTORY REQUIREMENTS:

Digitally signed by BACHDANANDAY AUDHURI Thu Jul 11 16 25 43 IST 2024

Digitally signed by RANADEEP CHANGEBORTY Fo Jul 12 14 32 10 ST 2024 Authorised Signatory

GRAPHITE INDIA LIMITED

OURIGAPUR 713211 DIST-BURDWAN RHORE: 7719362431 7719362437, FAX: (5542) 210068

Date: 15,07,2024

To Whom It May Concern

This is to certify that, M/s. G.S. CONSTRUCTION CO. has successfully executed the nominated Structural Work under Need Base Activities as against our P.O. No.: DOM/8600002017 dated 06.07.2024.

Also, the executed job was under observation and now the same is approved δ accepted by GIL_-

For, Graphite India Ltd.,

gode

Sourav Sinha (Officer-Purchase & PED)

Page 1 of 1



GID-MTL-F006 R6 W.E.F. 16.05.202 GST NO.:19AAACCO457C1Z4 DAN NO-AAACCO457C

Vendor 30000: Tel No: 980000007 3.5.0005TRUCTION CO. SURBSH COMPANY,STATION ROAD,* DURGAPUR 713201 West Bengal PAN No: AUDPMASFIG 05TN No: 16AUDPMASFIG		PO No PO Rev No Vendor's Ref Our Ref Payment Terms Incoterms	DOM/8600002019 Date 19.09.202 Date Refer Text Refer Text 15 Days after receipt of materials FOR GIL WORKS, DURGAPUR			
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GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIE I- BURDWAN PHONE: 7718362431, 7718362437, FAX. (0343) 2550866 E-Mail: common co

Date: 30.09.2024

To Whom It May Concern

This is to certify that, M/s. G.S. CONSTRUCTION CO. has successfully executed the nominated Tree Plantation Work under Need Base Activities as against our P.O. No.: DOM/8600002019 dated 19.09.2024.

Also, the executed job was under observation and now the same is approved & accepted by $\mbox{\rm GiL}.$

For, Graphite India Ltd.,

seido.

Sourav Sinha (Officer-Purchase & PED)

Page 1 of 1

Registered Office:- 31 Chowringhee Road , Kolkata 700 016, CIN ; L10101WB1974PLC094602, GST No. 19AAACC04S7C1Z4Telephone No: 91 33 40029600 ; Fax No: 91 33 40029676, Email td ; allive@araphitelindia.com

PURCHASE ORDER



GRAPHITE INDIA LIMITED
Dotgaput-713211 (Dat-Paachini Bardhaman , West II

GID-MTL-F008 R6 W.E.T. 18:05:20 GST NO. 19AAADQO487C124

Authorised Signatory

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		tal Quantity by ears the followin Towards the	30.09.202 og services e Charges For		AU	1	64,500.00 64,500.00
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	Other Item C						
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The second second second	Delivery Inst. This is a Com This is a Com Payment los 100% of basis 100	rections tractions tractio	e., nominated job in the quantity with ap to completion, suit any, shall be dedited. RECEIPT OF THI GEREOF. ED RATES ARE A RS AND PUC NOF Y. ONE ELECTRIVEARBY DENNAM.	s.as siready been exe policable 100% GST a lyked to submission of ucted by GLL during SS ORDER, SIGNIPY SPER PLANT'S SCI	cuted by the amount as pe f commercial execution of ING YOUR A HEDULED R EQUIPMEN' BE PROVIDE AS SUGGES S SHALL BE	Contractor. Contr	or sosta es. rates shall be in triplicate CE OF NTRACTOR'S FURTHER, S OUT OF D BY US TO D

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GRAPHITE INDIA LIMITED

OGRGAPOR 715211, DEST-BURDWAN FHORE, 2716382431, 7716382437, FAX: (G141) 2100856 E3442

Date: 30.09.2024

To Whom It May Concern

This is to certify that, M/s. MAA ANNAPURNA CONSTRUCTION has successfully executed the nominated Tree Plantation Work under Need Base Activities and against our P.O. No.: DOM/8600002021 dated 19.09.2024.

Also, the executed job was under observation and the same is now approved & accepted by Git..

For, Graphite India Ltd.,

gginha

Sourav Sinha (Officer-Purchase & PED)

Page Fart



GID-MTL-P008 R6 W.E.F. 16:06:2022 GST NO:19AAACC0467C124

Vendor 314396 to No: 6475216316 MAA ANNAPURNA CONSTRUCTION HATTALA ROAD ROAD-32, DURGAPUR 713201 West Bengal PAN No : CVWPM2844 GSTN No : 16CVWPM2844P		Incoterms	DOM/8600002025 Date 05.11.20 Date Refer Text Refer Text 15 Days after receipt of materials FOR DURGAPUR				
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						Signatur	re valid
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PURCHASE ORDER



GRAPHITE INDIA LIMITED
Durgsput-713211 Dist-Paschin Berdweren West Bergs
Fex (0343)255666 Philosoffoli 11886 7459407790

GID-MTL-POSE RE W.E.F. 1605.202 GST NO : ISAAADOG467C124 PAN NO AAAGOD467C

MAA ANNAPI HATTALA RO DURGAPUR	18780 Tal No. Sel JRNA CONSTRUCTIO IAD ROAD- 92, 713201 V		PO No PO Rev No Vendor's Ref Our Ref Payment Terms Inooterms	Refer Text	Da ter receipt o	
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					Signatu	re vallo

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GRAPHITE INDIA LIMITED

DuBricalnus 715311, Drift-Billedwahl 19668 7715063431, 7715063437, FAX: (USAX) 210000 Z.Mar.

Date: 30.09.2024

To Whom It May Concern

This is to certify that, M/s. MAA ANNAPURNA CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities and refer our P.O. No.: DOM/8600002026 dated 05.11,2024.

For, Graphite India Ltd.,



Sourav Sinha (Officer-Purchase & PED)

Bus Luf L

Registered Office: -31 Chowringhee Road , Kolkata 700 016, CIN : L10101WB1874PLC08460 35T No.: 19AAACCO457C1Z4Telephone Ne: 91 33 40029600 ; Fax No: 91 33 40029676, Invalid of : shrothuraphilanda...am Wahatta ; www.strashitabila.com



GRAPHITE INDIA LIMITED

DURGAPUR 713211, DIST- BURDWAN PHONE: 7719362431, 7719362437, FAX: (0342) 2056896 E-MAI

Date: 30.09.2024

To Whom It May Concern

This is to certify that, M/s. MAA ANNAPURNA CONSTRUCTION has successfully executed the nominated Civil Work under Need Base Activities and refer our P.O. No.: DOM/8500002020 dated 19.09.2024.

For, Graphite India Ltd.,

garle

Sourav Sinha (Officer-Purchase & PED)

Page 1 of

Registered Office:-3.1 Chowringhae Road , Kolkata 700 016, CIN : L10101WB1974PLC094602, GST No.: 19AAACC0457C124Telephone No: 91 33 40029600 : Fax No: 91 33 40029676, Email Id : gitroSgraphiteindla.com Website : www.graphiteindla.com

SI no.	PO description	Amount (Rs)
1	Civil Work at School & Police Phari	121,000
2	Sheeting work at Police Phari	22,000
3	Providing Tree at High School	14,330
4	Plantation of trees	64,500
5	Civil work (Aditional)	47,376 +116,382
	Total	<mark>385,588</mark>

No.	Proposed Need based Activities under CER	Actual Expenses in 23-24	Actual Expenses in Apr24- Sep24
		(2023-24)	(2024-25)
1	Development of nearby roads of the unit.	-	-
2	Organize health camps in nearby areas	0.84	0.00
3	To develop Health Care facility in nearby areas	-	-
4	To develop educational facility in nearby areas	-	-
5	To Initiate scholarship in nearby schools	0.44	-
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
	Total	13.15	19.85



GRAPHITE INDIA LIMITED

RECO & H.C. 9]; SHOWS WELLE ROAD, KOLKATA 760 016; # E. WOLA FROM: 31 Ex 4012 9601, 2226 5755 / 4942 / 4943 / 5547 / 2354 7277 1446 1446 FAX: 31 23 2248 6425, E-mail ; \$1000 programmatic com; MESSITE: humographichical com; CN: 110401W2197 PLESSARDE

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
- Upgrading technology level through continual improvement for prevention and reduction of pollution.
- Operating and maintaining the facilities so as to ensure compliance with all applicable legal and other obligations
- Determining the risk and opportunities related to its unvironmental aspects and compliance obligations
- While investing in new plant and equipment or technology, its environmental impact will be reckoned and appropriate provisions will be made for Energy efficiency.
- Setting environmental objectives and targets along with an Integral process
 of periodical review to target enhancement of environmental performance.
- g) Conserving raw materials, reducal resources and energy by reducing consumption and wastes
- 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.
- Responsibility in this regard lies with "Manager" in each of the locations.

DATE: 01.04.2020

A. DIXIT
EXECUTIVE DIRECTOR



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.

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

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai – 400 086, India 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

Certification Body at TÜV NORD CERT GmbH

Valid from 11.06.2023 Valid until 10.06.2026 Initial certification 11.06.2023

Mumbai, 11.06.2023

TUV NORD CERT GmbH

Am TŪV 1

45307 Essen

www.tuev-nord-cert.com

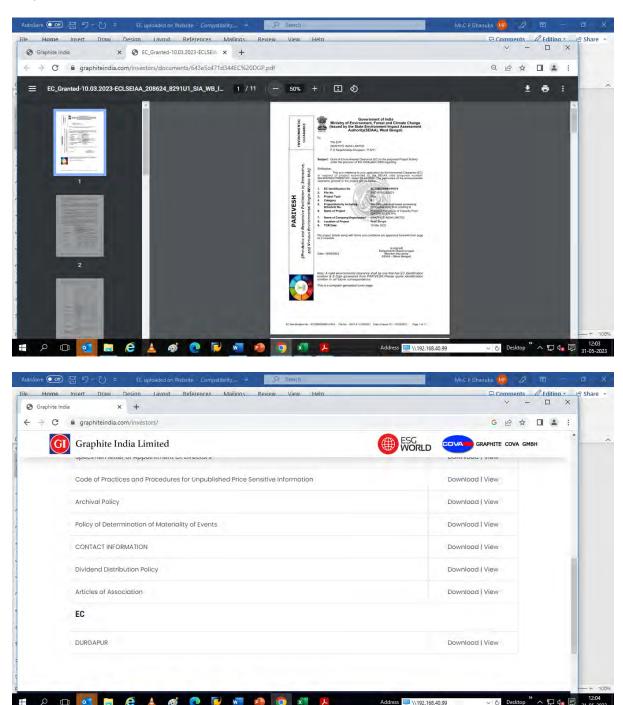
TUV India Pvt. Ltd., 801, Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in





https://graphiteindia.com/investors/documents/643e5c471d344EC%20DGP.pdf

Link of EC uploaded on Website of www.graphiteindia.com under Investor relation page below Corporate Governance



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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 Burdwanin 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. Burdwanis under Charge Vivo V15Pro Bank or Financial Al 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: 2880Sq. Kripa Sankar Mondal Advocate District Judges Court, Burdwan Bar Association Room No. 07, (Rashbihari Kashya) Phone No.: 8348761945/ 9064544734 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

983385 No E-te aga No. 489 tion Serlal Uni Las mis 03 det wely kly vie httss gov ten West Bengal. The Environmental clearance issued by SEIAA is available on the official

website of SEIAA, WR

with WBPCB.

and the same is available

M/s Graphite India

Durgapur-713211

3481052

Limited, Sagarbhanga,

লোটিস

এতোদ্বারা 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 ১২ প্লটে অবস্থিত, মেসার্স গ্রাফাইট ইন্ডিয়া লিমিটেড, সাগরভাঙ্গা, দুর্গাপুর, EC আইডেন্টিফিকেশন নং ০১ 00280980809 মোতাবেক KTPA-এর প্রস্তাবিত ৫২ KTPA থেকে ৬৭ KTPA ক্ষমতা সম্প্রসারণের জন্য পরিবেশগত ছাডপত্র জারি করেছে ১০.৩.২০২৩ তারিখে। SEIAA দ্বারা জারি করা পরিবেশগত ছাড়পত্র SEIAA, পশ্চিমবঙ্গের অফিসিয়াল ওয়েবসাইটে এবং পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পার্সদ এর সাথে উপলব্ধ

পাভাইট ইন্ডিয়া লিমিটেড, Al Triple Camera সাগরভাঙ্গা, দর্গাপর-৭১৩২১১



GRAPHITE INDIA LIMITED

DURGAPUR 719211, DIST. BURDWAN E-Mail general dipoligrachitendia com

DC 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 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.

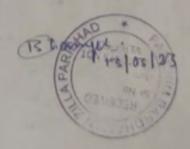
Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above



07

1



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

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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. Chakruban 7
13/03/23
Receiving Clerk
DL&LRO, Paschim Barchaman

REGISTERED OFFICE & H.O.: 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN-L10101WB1974PLC094602 Phone: - +91-33-40029600 Fax: +91-33-40029676 E-Mail: gitro@graphiteindia.com
Website: www.graphiteindia.com



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

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Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above



REGISTERED OFFICE & H.O. 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN - L10101WB1974PLC094602 Phone: - +91-33-40029600 Fax: +91-33-40029676 E-Mail: glro@graphiteindia.com
Website: www.graphiteindia.com



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

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty

Vice President (Works)

Enclosed - As above

RECEIVED WITHOUT VERIFICATION

Receiving Staff
Block Development Office
Durgapur Faridpur

REGISTERED OFFICE & H.O. = 31, CHOWRINGHEE ROAD, KOLKATA 700 016

CIN - L10101WB1974PLC094802 Phone: - +91-33-40029600 Fax: +91-33-40029676 E-Mail: gilro@graphiteindia.com

Website: www.graphiteindia.com



DURGAPUR 713211. DIST- BURDWAN E-Mail: general_dgp@graphiteindla.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

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

0:07



DURGAPUR 713211. DIST- BURDWAN E-Mail general dgp@graphiteindia.com

Dr: 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

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Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

1849 2023 SDO Office Surgapur

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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: <u>Submission of Environmental Clearance (EC) copy to Head of local bodies / relevant Government offices.</u>

Dear Sir,

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Kindly acknowledge and oblige.

Thanking you,

Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

GOO'S -2027

Received (Contents not Verified)

Anc. Ind. Dev. Cell & Sub-DIC.. Durgapur

Durgapur, Govt. of West Bengal

c. 7



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

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Yours Faithfully,

For Graphite India Limited.

Ranadeep Chakraborty Vice President (Works)

Enclosed - As above

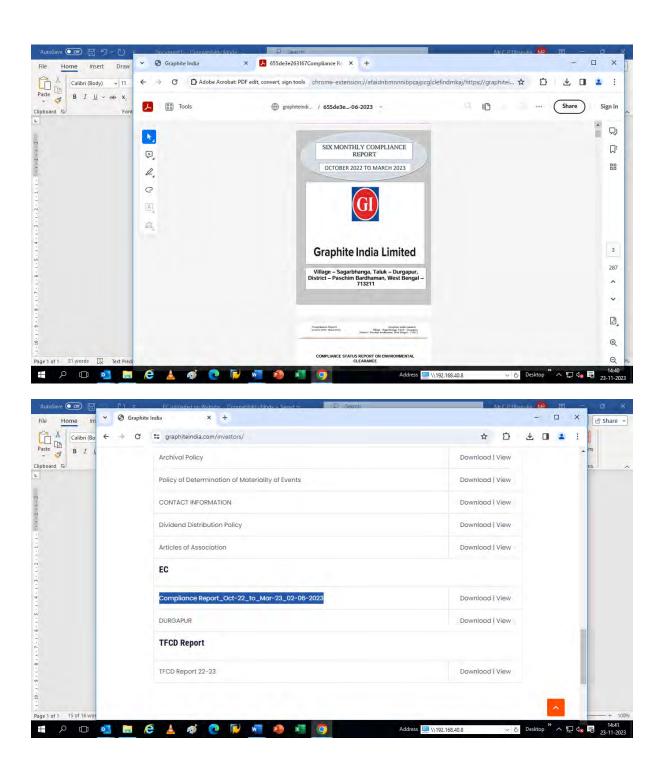
Corporation On Selection

5

REGISTERED OFFICE & H.O.: 31, CHOWRINGHEE ROAD, KOLKATA 700 016
CIN - L10101WB1974PLC094602 Phone: - +91-33-40029600 Fax: +91-33-40029676 E-Mail: gilro@graphiteindia.com
Website: www.graphiteindia.com

https://graphiteindia.com/investors/documents/655de3e263167Compliance%20Report Oct-22 to Mar-23 02-06-2023.pdf

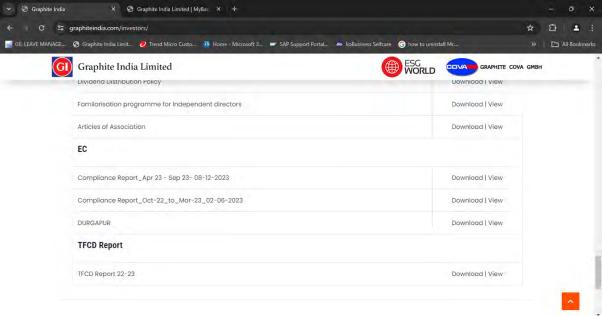
Link of Six monthly Environmental compliance Status Report (for the period Oct-22 to Mar-23) on our Website permanently uploaded on Website of www.graphiteindia.com under Investor relation page below **EC heading**



https://graphiteindia.com/investors/documents/664af396e5ff1Six%20Monthly%20Compliance%20Report-Apr-23%20-%20Sep-23.pdf

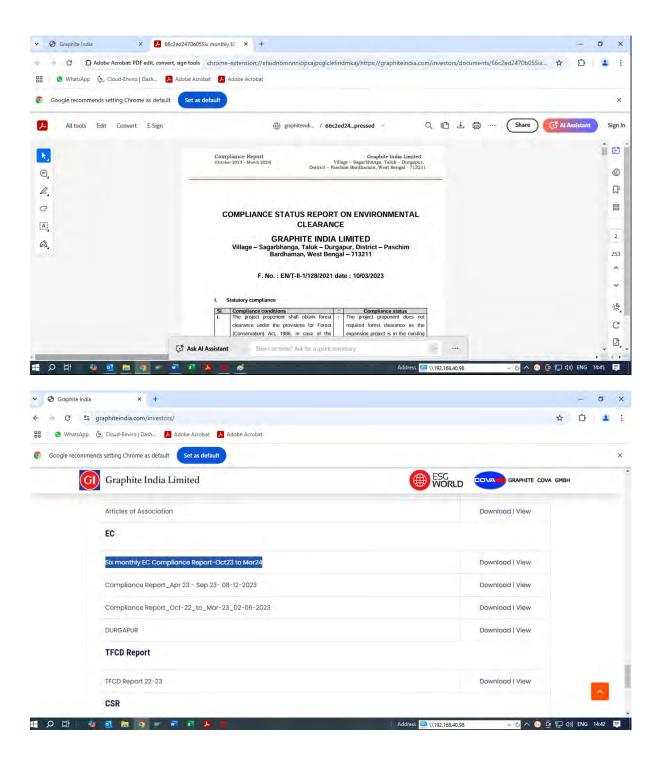
Link of Six monthly Environmental compliance Status Report (for the period Apr-23 to Sep-23) on our Website permanently uploaded on Website of www.graphiteindia.com under Investor relation page below **EC heading**





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 under Investor relation page below **EC heading**





GRAPHITE INDIA LIMITED

DURGAPUR-713211, DIST. - BURDWAN E-MAIL : general_dgp@graphiteindla.com*

Dt: 23.09.2023

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 31st March, 2024 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

(Executive Vice President Works)

Encl: Environmental Statement



Registered Office: 31 Chowringhee Road, Kolkata - 700016

CIN - L10101WB1974PLC094602

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Ph.; +91-33-40029600 Fax; +91-33-40029676
E-mail Id; gilro@graphiteindia.com Website; www.graphiteindia.com

LED Light Photographs







